Audubon Field Notes

Published by the National Audubon Society in Collaboration with the U. S. Fish & Wildlife Service

59th CHRISTMAS BIRD COUNT

Volume 13, No. 2 Two dollars per copy April 1959

Birds of Martha's Vineyard

by

LUDLOW GRISCOM

and

GUY EMERSON

is essential for all birdlovers on the island. It is designed as a field companion and a reference work and consequently is not illustrated. Efficiently arranged, it contains the following information:

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Audubon FIELD NOTES

Vol. 13, No. 2

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In Collaboration With the United States Fish and Wildlife Service

A bimonthly magazine devoted to reporting the distribution, migration and abundance of birds

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Cover Photograph of Party Watching Geese, Sacramento Valley, Calif. by Allan D. Cruickshank.

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Membership Rates

In the 53-year history of the National Audubon Society, it has never raised its membership rates, and has kept its subscription rates low. However, with rising costs, the Society was forced to make the following changes. Beginning September 1, 1958, the new rates are as follows:

Membership

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Fifty-ninth Christmas Bird Count

Edited by Allan D. Cruickshank

YEAR AFTER YEAR interest in Christmas Bird Counts continues to grow. This past season a record-breaking 572 reports were accepted.

Year	Reports Printed	Observers
1900	25	27
1909	145	200
1919	169	340
1929	205	500
1939	262	1900
1949	403	4615
1959	572	7477

Ten years ago Chandler S. Robbins, then Editor of the Christmas Bird Count, stated: "The number of reports printed cannot be permitted to increase beyond its present level, but there is no limit to the number of participants." In the 10 years following this statement the number of counts published has increased more than during any other 10-year period since Dr. Frank M. Chapman started this very popular and exciting cooperative project. What Chandler Robbins said a decade ago when 169 fewer counts were published is, of course, doubly true today. There must be a limit. *Audubon Field Notes* wishes to publish as many reports as feasible. The size of the Fifty-ninth Christmas Bird Count volume in itself indicates the tremendous job that editing now entails. Rather than initiate new counts observers should help nearby long-established counts obtain more thorough coverage. A report by just 1 or 2 observers from an inaccessible area with little or no human inhabitants is understandable, in fact commendable. But separate counts by 1 or 2 persons from metropolitan areas now having scores of bird-watchers and several well-organized Christmas Bird Counts seems superfluous. It is inevitable that as the volume of reports increases, lone-wolf reports, coming from areas adjacent to those submitting carefully planned cooperative reports combining the efforts of many people, will have to be rejected.

Ten year increase in number of counts published

1900-1909	120
1909-1919	24
1919-1929	36
1929-1939	57
1939-1949	141
1949-1959	169

With this steady increase in the number of reports it becomes more and more imperative that all groups follow official rules, and that each compiler submit an accurate neat report. Happily most compilers take their responsibility seriously, and painstakingly fill in their report forms neatly, legibly and accurately. Most check and recheck their reports before mailing them to Audubon House. Before submitting reports most compilers eliminate all unusual birds reported without convincing details. Moreover, practically all consider it their responsibility to attach to their reports substantiating details for observations of birds rare or unusual for their particular region at Christmas time. This is essential if the present high standard of the Christmas Bird Count is to be maintained. To all such compilers the Editor again expresses his appreciation for their understanding and cooperation.

Less than 5 per cent of compilers submit carelessly prepared, almost illegible reports. This year the Editor had to decipher and recopy 8 reports before sending them on to the printer. Twenty-seven reports had to be rejected because they did not comply with official rules. Beginning next season all careless, slovenly reports likewise will be rejected. Singularly the compilers for those few careless reports are likewise usually the only ones objecting to submitting substantiating details for particularly noteworthy observations. When (no details—ED.) is inserted after a report it does not indicate that the Editor considers the report unreliable, but is intended to inform state compilers and Season Editors for *Audubon Field Notes* that no information was submitted to support the unusual report. If a species is underlined as unusual or noteworthy the Editor immediately is assured that the compiler realizes that the observation is out of the ordinary. If in addition, some information is given about the experience of the observer, and his reasons for being convinced of his identification, then the record is accepted as reliable.

Local compilers form the backbone of the Christmas Bird Count. They deserve much credit. Their responsibility is great. A compiler not only should be one of the outstanding, most experienced bird-watchers of the region, but should demonstrate his willingness to prepare a neat careful report meeting all requirements of official rules. He should have the authority from his group to question any report of a very unusual observation and request details to support it. Surely no one who does not participate in the field work itself, especially those who lack experience to know which reports are unusual for the area, should be allowed to act as compiler. New Christmas Count groups are cautioned to be very careful in selecting their compiler. It is a great honor—a position of distinction—a badge indicating their associates' confidence. Established counts finding a good reliable compiler should persuade him to act in that capacity year after year. The custom of a few clubs to change compilers annually invites trouble.

Again this year the Christmas Bird Count created great excitement and enthusiasm across the continent. Numerous letters were received endorsing the project, and emphasizing the stimulation it gave to local Audubon Societies and other natural science clubs. It is impossible to mention by name the thousands of persons who contributed so much to the success of the 59th Christmas Bird Count. Some went afield for 8 hours or more in snow, rain, sleet, fog or sub-zero winds. Some walked for hours through almost birdless country, some sat drenched hour after hour in small boats, others climbed the exhausting slopes of high mountains, and still others plowed for mile after mile through tiring swamps and marshes.

Highest Counts For Each State or Province

State or Province	Number of Counts	Highest Count
Nova Scotia	3	Cole Harbour–Chezzetcook (49)
New Brunswick	1	Moncton–Shediac (13)
Quebec	4	Montreal (31)
Ontario	16	Hamilton (76)
Saskatchewan	1	Yorkton (17)
Alberta	2	Calgary (27)
British Columbia	3	Vancouver (104)
Alaska	1	Cohoe (9)
Maine	5	Castine (65)
New Hampshire	7	Coastal New Hampshire (61)
Vermont	3	Burlington (47)
Massachusetts	13	Cape Cod (112)
Rhode Island	2	Newport, R. I. and Westport, Mass. (109)
Connecticut	9	Westport (109)
New York	41	Southern Nassau County (118)
New Jersey	20	Cape May (128)
Pennsylvania	31	Glenolden (95)
Delaware	3	Bombay Hook National Wildlife Refuge (111)
Maryland	15	Ocean City (122)
District of Columbia	1	Washington (92)
Virginia	16	Back Bay National Wildlife Refuge (122)
North Carolina	11	Wilmington (140)
South Carolina	6	Charleston (139)
Georgia	7	Sapelo Island (100)
Florida	23	Cocoa (194)
Ohio	36	Cincinnati (77)
West Virginia	5	Huntington (60)
Kentucky	7	Louisville (94)
Tennessee	10	Nashville (77)
Alabama	4	Mobile (121)
Michigan	18	Davisburg (45)
Indiana	12	Indianapolis (60), Lafayette (60)
Illinois	18	Crab Orchard Wildlife Refuge (62)
Wisconsin	18	Madison (61)
Minnesota	13	Excelsior (42)
Iowa	14	Davenport (75)
Missouri	5	Weldon Springs (68)
Arkansas	4	Lonoke (82)
Louisiana	5	Sabine National Wildlife Refuge (155)
North Dakota	6	Bismarck (29)
South Dakota	10	Rapid City (42)
Nebraska	12	Kearney (48)
Kansas	12	Topeka (57)
Oklahoma	8	Fort Gibson Reservoir (77)
Texas	30	Laguna Atascosa National Wildlife Refuge (167)
Montana	6	Ennis (34)
Wyoming	2	Casper (52)
Colorado	15	Jefferson County (79)
New Mexico	6	Roswell (91)
Idaho	1	Nampa (41)
Utah	3	Bear River Migratory Bird Refuge (55)
Arizona	6	Santa Catalina Mountains (103)
Nevada	1	Reno (58)
Washington	4	Seattle (98)
Oregon	6	Portland (93)
California	29	San Diego (165)

The following 10 reports listed 140 or more species:

Cocoa, Fla.	194
Laguna Atascosa National Wildlife Refuge, Tex.	167
San Diego, Calif.	165
St. Marks, Fla.	156
Sabine National Wildlife Refuge, La.	155
Houston, Tex.	154
Tomales Bay, Calif.	153
Los Angeles, Calif.	148
Coot Bay–Everglades Nat'l Park, Fla.	140
Wilmington, N. Car.	140

Charleston, S. Car. and Oakland, Calif. with 139 and 138 respectively barely missed the 140 species mark. A one-man count by the Reverend J. L. Dorn of 121 species from Mobile, Ala. indicates that a well-organized score of experts covering this area thoroughly could make it one of the high count areas in the United States. Mississippi is the only state this year not represented in this report. It is hoped that some enthusiast will see to it that this does not happen again.

At the low end of the list only the following 7 counts recorded less than 10 species:

Atlantic Ocean off L. I., N. Y.	5
Roan Mountain, Tenn–N. Car.	5
Atlantic Ocean ESE of St. Johns, Newfoundland	8
Grand Forks County, N. Dak.	8
Cohoe, Alaska	9
Big Bald Mountain, Tenn–N. Car.	9
Lakeland Community, Minn.	9

Thirty reports were submitted from Canada, more than half of them from Ontario. Yet it appears certain that this bird-conscious province never again will hold the Dominion championship for Christmas Bird Counts. With Vancouver's impressive list of 104 species leading all Canadian areas, and with the 2 runner-ups and only serious competitors both from the same province, it is a safe bet that henceforth the largest Dominion list always will come from British Columbia. The report of 85 Skylarks from Victoria, B. C. indicates that this introduction is faring much better than the ill-fated attempts at introducing this interesting species on the Atlantic seaboard of the United States. The report of 3 Oregon Juncos from Calgary, Alta. constitutes the first definite winter record for this species locally although it is a common breeding bird just a few miles west of the count area. The very interesting count from 190 miles ESE of St. Johns, Newfoundland cannot accurately be called Canadian. The 53 Fulmars seen on this 15-mile ocean course near the east edge of the Grand Banks will be a revelation to many who think of this species as strictly accidental on this side of the Atlantic.

The real old-fashioned winter that blasted New England and other northeastern sections of the United States during late November and December was chiefly responsible for the generally smaller, less exciting lists turned in this year. In many areas the temperature averaged 8-10 degrees a day below normal. As a consequence most lakes, rivers, streams and marshes, especially inland, were frozen tight, and waterbirds were forced to leave early. Relatively few stragglers lingered successfully until Christmas, and most of these survived by staying close to feeding stations. Moreover, good flights of far northern visitors such as Snowy Owls, Northern Shrikes, and finches did not materialize. One of the outstanding reports was a Great Gray Owl seen at New London, Conn. Reports of Bohemian Waxwings from Madrid and Rochester, N. Y. gave only a hint of the spectacular invasion of this species farther west. A Black Guillemot carefully studied at Long Branch, N. J. is outstanding. Just as interesting are the reports of 12 White-crowned Sparrows from Lancaster, Pa. and 94 from Lititz, Pa. Ten years ago this species was not expected at Lititz in winter, but since the planting of several hundred thousands of multiflora roses around the city, White-crowned Sparrows have been wintering in increasing numbers and feeding on the fruit produced by these plants. This is just another reminder that food and cover are of primary importance. The presence of Barn Swallows at Cape May, N. J. and the Bombay Hook National Wildlife Refuge, Del. is remarkable especially when one considers the severe weather which at Cape May was the coldest December in 41 years.

Three Western Grebes were reported from the East, all carefully identified by competent observers. One was seen off Barnegat Inlet, N. J., one was present for 2 weeks at Louisville, Ky., and one was seen near the Thousand Islands in the Banana River just west of Cocoa Beach, Fla.

An analysis of reports from the southeastern United States underlines the general widespread scarcity of many landbirds throughout this area. Even the very thorough coverage at Cocoa, Fla. by 55 keen experienced observers and the resultant 194 record-breaking species revealed a marked scarcity in most passerine birds, particularly Eastern Phoebes, Catbirds, Robins, Eastern Bluebirds, Hermit Thrushes, Blue-gray Gnatcatchers, Solitary Vireos, and several species of warblers. Only 5 of the 17 parties reported the normally ubiquitous Robin! Landbirds throughout Florida have been astonishingly scarce all winter. Your Editor has had numerous letters and telephone calls asking "where are the birds?"

This serious absence of birds was so thoroughly discussed by Robert J. Newman, Henry M. Stevenson and others in the February issue of *Audubon Field Notes* that it would be redundant to repeat details here. There is no question that the extended record-breaking severe cold of the preceding winter throughout the Southeast was largely responsible for wiping out thousands upon thousands of essentially insectivorous species. But a similar decline in some species which have proved their ability to withstand severe cold, in conjunction with a marked decrease in some species wintering in the tropics, suggests other factors are also involved. The current uncontrolled use of tons of powerful insecticides, herbicides and fungicides may well be, and probably is, the destructive force. Unless the use of these poisons is soon controlled by strict state and federal laws they certainly will have disastrous effects on the birdlife of the entire continent.

The steady increase of the Great Black-backed Gull southward and westward continues. The species has now been recorded at numerous points around the Great Lakes, and some areas on Lake Erie and Lake Ontario no longer consider it noteworthy. This year Cleveland reported its first count record, 6 were seen at neighboring Lakewood, and 2 at Toledo. One was

seen at the very western end of the Great Lakes at Duluth, Minn. The 99 reported from Ocean City, Md. give only an inkling of the numbers now occurring that far south. During a wild storm the previous day Chandler Robbins saw Great Black-backed Gulls everywhere along the coast in that area, and counted 70 on a single bar. St. Michaels, Md. reported 35, the highest number ever seen in that area. Five were reported as far south as Cocoa, Fla., and a week later 12 or more could be seen daily around Port Canaveral.

A wild Turkey flushed by 4 competent observers in the District of Columbia probably constitutes the first record for our National Capital in over 75 years. A Willet and Marbled Godwit seen at Ocean City, Md. establish first state winter records for both species. Three Lapland Longspurs at Catoctin Mountain, Md. constitute the first inland record for this species in the state. A White-fronted Goose at Charlottesville, Va. is the first record for the county. From Sapelo Island, Ga. the report of 4 Chachalacas indicates that this species introduced there 30 years ago is holding its own.

Florida produced so many outstanding records that it is difficult to single out a few. At Pensacola that irrepressible alert bundle of energy, Burt Monroe, Jr. collected a Little Gull to again add a new species to the Florida State list. Alexander and Sandy Sprunt sending in an impressive list from the southern end of Lake Okeechobee around Clewiston reported 3 of the almost extirpated Everglade Kites. Their report of 250 Rough-winged Swallows is almost as interesting, particularly when coupled with the 209 reported from Fort Lauderdale. This represents a phenomenal concentration for a species that normally goes unrecorded in the state at Christmas. A Glaucous Gull carefully identified as it flew around the boat 20 miles east of Cocoa Beach is outstanding. The report of 1400 Wood Ibis in the National Audubon Society's fairyland Corkscrew Sanctuary is indeed encouraging.

The big news in the north-central part of the United States and adjacent Canada was the flight of Bohemian Waxwings. As mentioned previously the species was reported as far east as Madrid and Rochester, N. Y. Many reports came from a wide band extending from Wisconsin westward to the Pacific. Edmonton, Alta. reported 1855 and Spokane, Wash. 7500, the latter's compiler adding a notation that this estimate was very conservative since single flocks of 3000-4000 birds were not unusual during count period! To the south came reports from Iowa, Kansas, Nebraska and Colorado. Still farther south 1 of 2 birds seen at Norman, Okla. was collected since there was only 1 previous record for this species in the state. An injured Bohemian Waxwing was examined in the hand at Amarillo, Tex., and 2 were seen at Midland, Tex. Twenty-six were seen at Espanola, N. Mex.

In the north-central states and prairie provinces early winter was severe. Several areas in Wisconsin, Minnesota and North Dakota mentioned the mercury dipping below zero for as many as 11 successive days. Consequently most water and marsh areas froze over early forcing waterbirds to move south. Passerine stragglers were either wiped out, or abruptly took off for milder climates. This resulted in smaller than usual lists from most areas.

The Reverend Samuel Robbins of Wisconsin points out that the Red-bellied Woodpecker, which has been steadily increasing northward, this year tied in abundance with the Downy Woodpecker at Mazomanie. Despite the severe weather 2 keen observers at Ennis, Mont. found a Common Loon, Pied-billed Grebe and Long-billed Marsh Wren, perhaps all first winter records for the state. Townsend's Solitaires were seen in the Morton Arboretum, Ill., at both Des Moines and Shenandoah, Iowa, and on the Wisner-Pilger, Nebr. count. A Scott's Oriole collected by Sidney Gauthreaux, Jr. at the Sabine National Wildlife Refuge, La. is a new species for the state. Eastern Phoebes were seen at 2 places in Oklahoma, and as far west as the Davis Mountains, Tex., Carlsbad National Park, N. Mex., and Phoenix, Ariz. A Black-eared Bushtit from the Davis Mountains is a new species for the all-time Christmas Count list. Until recently this bird was known as Lloyd's Bushtit which was considered only a race of the Common Bushtit. So even if one had been seen it would not have been reported as a distinct species. Perhaps the severe weather farther north pushed Tree Sparrows as far south as Midland and Sherman, Tex., Las Vegas, N. Mex. and the Sabine National Wildlife Refuge, La. Prior to December 1958 there were but 3 records for this species in Louisiana yet a total of 9 individuals in 4 places were seen as early as December 6th and 7th.

On the Pacific coast the big news was the unprecedented concentration of pelagic birds off California all fall and early winter. This phenomenal show seemed to be correlated, in part at least, with the quantities of tiny fish teeming in waters along the coast. An analysis of those *Procellariformes* identified as to species on Christmas Counts reveals:

Fulmar	Monterey 201
	San Diego 3
	Santa Cruz Co. 30
Pink-footed Shearwater	Orange Co. 100
	San Diego 3
Sooty Shearwater	San Diego 14
	San Francisco 65
	Tomales Bay 6
Manx Shearwater	Los Angeles 9

Moreover, the Monterey report mentioned Fork-tailed, Ashy, and Black Petrels as seen during count period. Apparently there was not a corresponding concentration of jaegers at Christmas time, although many reports mentioned these birds as being abundant earlier. At count time only the alert, energetic birders at San Diego saw both Parasitic and Pomarine Jaegers. Any one wishing more detailed information about this extraordinary movement of pelagic and coastal species should read Arnold Small's excellent account of the fall and early winter coastal phenomenon in the February issue of *Audubon Field Notes*.

A Glaucous Gull and 2 Rock Sandpipers carefully identified on the Los Angeles count deserve special mention. Among other especially noteworthy observations are a Wilson's Phalarope at Tomales Bay, 2 Baird's Sandpipers at San Diego, and 3540 Eared Grebes at San Jose. Perhaps the most astonishing report from the West, if not on the entire count, is that of a Brown Booby present since September 5 at the Imperial National Wildlife Refuge on the Ariz.–Calif. border.

1. **Honolulu, Hawaii** (all points within a 15-mile diameter circle; same general area and coverage as last 4 years).—Dec. 21; 6:15 a.m. to 4:30 p.m. Scattered clouds; temp. 62° to 80°; variable winds, 0-15 m.p.h. Fourteen observers in 4 parties. Total party-hours, 21 (15 on foot, 6 by car); total party-miles, 40 (11 on foot, 29 by car). ► Black-footed Albatross, 2; Blue-faced Booby, 1; Brown Booby, 20; Red-footed Booby, 1560; Great Frigate-bird, 728; Black-crowned Night Heron, 4; Pintail, 438; Am. Widgeon, 9; Shoveler, 42; duck (sp.), 2; Am. Coot, 2202; Am. Golden Plover, 260; Ruddy Turnstone, 86; Wandering Tattler, 11; Sanderling, 4; Black-necked Stilt, 124; Pomarine Jaeger, 10; Spotted Dove, 81; Barred Dove, 276; Japanese Varied Tit, 3; Red-billed Leiothrix, 163; Mockingbird, 2; Shama, 9; Elepaio, 63; Myna, 311; White-eye, 130; Amakihi, 88; Hawaiian Creeper, 1; Apapane, 66; Ricebird, 306; House Sparrow, 311; Am. Cardinal, 71; Brazilian Cardinal, 9; House Finch, 61. **Total,** 33 species, 7454 individuals.—Larry Davidson, Grenville Hatch, Carol Horning, Hal Horning, Joseph E. King, Unoyo Kojima (compiler), Alphonse Labrecque, Bob Miller, Blanche A. Pedley, Mary E. Riggs, Ruth R. Rockafellow, Alfred E. Stoops, Margaret Titcomb, Miklos D. F. Udvardy (Hawaii Audubon Society and guests).

2. **Atlantic Ocean ESE of St. John's, Newfoundland** (near east edge of Grand Banks, along 14½-mile NE course between N 45° 30′ W 48° 40′ and N 45° 42′ W 48° 32′; open ocean 100%).—Dec. 26; 7:30 a.m. to 3:30 p.m. Overcast, occasional light snow; temp. 33° to 37°; wind NW, 5-15 m.p.h. One observer. Total hours, 8 (by boat); total miles, 14½ (by boat). ► Fulmar, **53**; Glaucous Gull, 2; Great Black-backed Gull, 67; Black-legged Kittiwake, 2312; Razorbill, 2; Common Murre, 5; Thick-billed Murre, 15; murre (sp.), 175; Dovekie, 42. **Total,** 8 species; about 2673 individuals.—Alan M. Craig.

3. **Cole Harbour–Chezzetcook, Nova Scotia** (all points within a 15-mile diameter circle, center Mineville; Eastern Shore Highway, connecting roads, Porter's Lake, Cole Harbour, Lawrencetown, Wedge Island, Three-fathom Harbour, Seaforth, Chezzetcook; mixed second-growth woods 45%, salt water 30%, fresh water 10%, salt and brackish marsh 10%, farms and settlements 5%).—Dec. 27; 7:45 a.m. to 4:30 p.m. Cloudy a.m., then sunny; temp. 18° to 25°; wind NW, 10-5 m.p.h.; lakes and smaller inlets frozen, 12-in. snow on ground, visibility over sea poor. Twelve observers in 4 parties. Total party-hours, 38 (12 on foot, 26 by car); total party-miles, 135 (26 on foot, 109 by car). ► Common Loon, 2; Red-necked Grebe, 1; Horned Grebe, 17; Canada Goose, 290; Mallard, 1; Black Duck, 440; Pintail, 1; Greater Scaup, 150; Common Goldeneye, 64; Bufflehead, 9; Oldsquaw, 36; Common Eider, 17; White-winged Scoter, 5; Common Scoter, 3; Common Merganser, 5; Red-breasted Merganser, 21; duck (sp.), 370; Sharp-shinned Hawk, 1; Bald Eagle, 1; Ruffed Grouse, 3; Purple Sandpiper, 6; Great Black-backed Gull, 41; Herring Gull, 725; Ring-billed Gull, 4; Black-headed Gull, 18; Thick-billed Murre, 1; Dovekie, 4; Hairy Woodpecker, 4; Gray Jay, 8; Blue Jay, 8; Common Raven, 66; Common Crow, 110; Black-capped Chickadee, 44; Boreal Chickadee, 18; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 2; Robin, 1; Golden-crowned Kinglet, 6; Starling, 220; House Sparrow, 61; Common Grackle, 2; Brown-headed Cowbird, 23; Evening Grosbeak, 1; Pine Grosbeak, 1; White-winged Crossbill, 1; Slate-colored Junco, 85; Tree Sparrow, 4; Swamp Sparrow, 1; Song Sparrow, 16; Snow Bunting, 8. **Total,** 49 species; about 2927 individuals. (Seen in area count period, but not on count day: Sanderling, Horned Lark, Redwinged Blackbird.)—B. W. Allen, C. R. Allen, John Comer, Fred Dobson, Mrs. John W. Dobson, David McCarter, J. A. McCarter, Ian Macpherson, L. B. Macpherson (compiler), H. P. Moffatt, T. F. Morland (Nova Scotia Bird Society).

4. **Halifax, Nova Scotia** (all points within a 15-mile diameter circle, center Henry Lake on Old Sambro Road; city, harbor, Northwest Arm, roads to Herring Cove, Sambro, Prospect, Timberlea; mixed second-growth woods, mostly conifer 50%, open barrens 15%, salt water 15%, fresh water 7%, small farms 7%, city and villages 6%).—Dec. 28; 8 a.m. to 4 p.m. Overcast, then snow; temp. 27° to 33°; wind nil; lakes and inlets frozen, 12-in. old snow, visibility very poor. Nine observers in 7 parties. Total party-hours, 28 plus feeder-watching time by 11 additional observers (8 on foot, 20 by car); total party-miles, 93 (16 on foot, 77 by car). ► Common Loon, 3; Red-necked Grebe, 2; Horned Grebe, 7; Great Cormorant, 1; Canada Goose, 67; Common Goldeneye, 38; Oldsquaw, 12; Common Eider, 3; White-winged Scoter, 2; Red-breasted Merganser, 4; **Pigeon Hawk, 1**; Glaucous Gull, 1; Iceland Gull, 7; Great Black-backed Gull, 520; Herring Gull, 4200; Ring-billed Gull, 4; Black-headed Gull, 3; Dovekie, 4; Hairy Woodpecker, 2; Downy Woodpecker, 6; Horned Lark, 2; Gray Jay, 2; Blue Jay, 24; Common Raven, 6; Common Crow, 42; Black-capped Chickadee, 26; Boreal Chickadee, 2; **Mockingbird, 1**; Robin, 11; Starling, 7500; House Sparrow, 2500; Redwinged Blackbird, 1; Common Grackle, 5; Brown-headed Cowbird, 70; Evening Grosbeak, 44; Slate-colored Junco, 15; Song Sparrow, 2; Snow Bunting, 7. **Total,** 38 species; about 15,147 individuals. (Seen in area count period, but not on count day: Sharp-shinned Hawk, Purple Finch, Am. Goldfinch, Fox Sparrow.)—C. R. Allen, John Comer, Fred Dobson, Mrs. John Doull, L. B. Macpherson (compiler), W. J. Mills, T. F. Morland (Nova Scotia Bird Society).

5. **West Middle Sable, Nova Scotia** (all points within a 15-mile diameter circle, center West Middle Sable schoolhouse; West Middle Sable to Hemeon Head and Matthews Lake; mixed woods, largely coniferous 57%, ocean shore 10%, sheltered brackish water 10%, sand beach 8%, scattered rural community 15%).—Dec. 27; 7:30 a.m. to 5 p.m. Mostly cloudy; temp. 7° to 28°; wind N to W, up to 5 m.p.h.; no snow near ocean to 10-in. snow inland, lakes and shallow arms of sea frozen. Four observers, 1 active party, 3 at feeding stations. Total party-hours,

9½ (9½ on foot); total party-miles, 15 (15 on foot). ► Common Loon, 2; Red-necked Grebe, 4; Horned Grebe, 3; Great Cormorant, 52; Canada Goose, 56; Black Duck, 300; Greater Scaup, 110; Common Goldeneye, 28; Bufflehead, 21; Oldsquaw, 5; Common Eider, 16; Common Merganser, 2; Red-breasted Merganser, 23; Great Black-backed Gull, 8; Herring Gull, 225; Hairy Woodpecker, 2; Horned Lark, 4; Gray Jay, 7; Blue Jay, 13; Common Raven, 2; Common Crow, 26; Black-capped Chickadee, 2; Winter Wren, 1; Starling, 47; House Sparrow, 20; Redwinged Blackbird, 3; Brown-headed Cowbird, 10; Slate-colored Junco, 12; White-throated Sparrow, 2; Song Sparrow, 2. **Total,** 30 species; about 1008 individuals. (Seen in area count period, but not on count day: Common Snipe, Downy Woodpecker, Boreal Chickadee, Robin, Tree Sparrow, Snow Bunting.)—Betty Dingwall, Harrison F. Lewis (compiler), Laura N. Lewis, Mrs. Cecil Thompson.

6. **Moncton–Shediac, N. B.** (all points within a 15-mile diameter circle, center Lakeville; Moncton golf course to Shediac, including Swifts Packing Plant on Petitcodiac River—open all year, tidal bore twice daily; mixed second-growth woodland, mostly conifer 50%, Tamarack and Black Spruce bog 15%, farmland 15%, fresh-water rivers and lakes 10%, marshland 5%, city and villages 5%).—Dec. 27; 8 a.m. to 5 p.m. Clear; temp. 5° to 25°; wind W, 15 m.p.h.; 15-in. snow on ground. One observer. Total hours, 9 (5 on foot, 4 by car); total miles, 88 (11 on foot, 77 by car). ► Great Black-backed Gull, 38; Herring Gull, 410; Ring-billed Gull, 6; Downy Woodpecker, 1; Blue Jay, 13; Common Raven, 176; Black-capped Chickadee, 7; Boreal Chickadee, 2; Starling, 162; House Sparrow, 216; Evening Grosbeak, 4; Common Redpoll, 13; Slate-colored Junco, 11. **Total,** 13 species; about 1059 individuals. (Seen in area count period, but not on count day: Black Duck, Ring-necked Pheasant, Brown-headed Cowbird.)—Fred Bone.

7. **Arvida, Que.** (all points within a 15-mile diameter circle, center same as last 2 years).—Dec. 21; 8 a.m. to 4:15 p.m. Mostly clear; temp. –26° to –9°; wind N, 3 m.p.h.; 15-in. powdered snow, all water frozen except parts of Saguenay River. Thirteen observers in 7 parties. Total party-hours, 16 (10 on foot, 6 by car); total party-miles, 114 (15 on foot, 99 by car). ► Common Merganser, 15; **Hawk-Owl,** 2; Downy Woodpecker, 4; Blue Jay, 5; Common Crow, 4; Black-capped Chickadee, 8; Starling, 185; House Sparrow, 160; Evening Grosbeak, 47; Pine Grosbeak, 35; Common Redpoll, 43; Snow Bunting, 48. **Total,** 12 species; about 556 individuals. (Seen in area count period, but not on count day: Common Goldeneye, Ruffed Grouse, Hairy Woodpecker.)—P. W. Browne (compiler). J. Collins, G. Gaunt, S. Girolami, P. Gummer, W. K. Gummer, U. Moeller, B. R. Pathak, D. Pearson, B. Puxley, D. Stokes, E. Stokes.

8. **Hudson Heights–Hudson, Que.** (all points within a 15-mile diameter circle, center same as in 1953).—Dec. 21; 7:30 a.m. to 4 p.m. Sunny; temp. –10° to 0°; wind NW, 10-15 m.p.h.; 30-in. snow, all water frozen. Sixteen observers in 10 parties. Total party-hours, 45 (20 on foot, 5 by car, 8 on skis, 12 at feeder); total party-miles, 88 (16 on foot, 65 by car, 7 on skis). ► Ruffed Grouse, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 7; Downy Woodpecker, 10; Blue Jay, 70; Black-capped Chickadee, 169; White-breasted Nuthatch, 22; Red-breasted Nuthatch, 1; Brown Creeper, 2; Cedar Waxwing, 8; Starling, 64; House Sparrow, 111; **Common Grackle, 1**; **Brown-headed Cowbird, 1**; Evening Grosbeak, 3; Purple Finch, 1; Pine Grosbeak, 19; Common Redpoll, 18; Am. Goldfinch, 15; White-winged Crossbill, 32; **Rufous-sided Towhee, 1** (at feeder all month); Slate-colored Junco, 2; Tree Sparrow, 19. **Total,** 23 species; about 578 individuals.—Mrs. A. Bryan, Mr. and Mrs. E. Chambers, A. Clarke, Mr. and Mrs. R. Cundill, Mr. and Mrs. G. Golden, A. Hickey, A. Kelly, R. Lepingwell, D. Macaulay, Jr., H. Marpole, J. Robinson, E. Smith, Mrs. R. W. Wright (compiler).

9. **Montreal, Que.** (all points within a 15-mile diameter circle, center at intersection of Sherbrook St. west and Decarie Boulevard).—Dec. 27; 8 a.m. to 4 p.m.; temp. 20° to 28°; wind 5 m.p.h.; 12-18-in. snow cover. Thirty observers in 6 parties. Total party-hours, 28 (18 on foot, 10 by car); total party-miles, 105 (16 on foot, 89 by car). ► Mallard, 3; Black Duck, 139; Greater Scaup, 2; Common Goldeneye, 583; Common Merganser, 248; Rough-legged Hawk, 1; Sparrow Hawk, 2; Ring-necked Pheasant, 15; Gray Partridge, 11; **Hawk-Owl, 1**; Snowy Owl, 1; Barred Owl, 1; Short-eared Owl, 1; Yellow-shafted Flicker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 18; Blue Jay, 1; Common Crow, 11; Black-capped Chickadee, 20; White-breasted Nuthatch, 4; Robin, 4; Cedar Waxwing, 4; Starling, 1200; House Sparrow, 495; Purple Finch, 2; Pine Grosbeak, 2; Common Redpoll, 30; Tree Sparrow, 31; Song Sparrow, 2; Snow Bunting, 16. **Total,** 31 species; about 2852 individuals. (Seen in area count period, but not on count day: Cardinal.)—T. Bergeron, Mr. and Mrs. J. Black, W. F. Black, R. Brisebois, Mrs. H. E. Chalk, J. D. Delafield, E. Hawkins (compiler), G. Hibbard, A. Hickey, G. Holland, A. W. Kelly, A. R. Lepingwell, Brother Mathias, D. Mess, Justice Montgomery, Mrs. M. O. Montgomery, J. M. Montgomery, Mrs. A. Reekie, Mrs. Roberts, J. W. Robinson, J. A. Rolland, D. Ryan, L. Segal, D. E. Sergeant, Dr. and Mrs. J. Summerby, Mr. and Mrs. D. Westorborg, R. Yates.

10. **Quebec, Que.** (all points within a 15-mile diameter circle, center St. Augustin; Ste. Foy to Quebec bridge, Quebec seaport to Island of Orleans bridge, Plains of Abraham, Charlesbourg, Orsainville, Quebec Zoological Garden; town suburbs 16%, fields 22%, coniferous forests 8%, deciduous woods 6%, mixed woodlands 38%, shores 10%).—Dec. 26; 7 a.m. to 4 p.m. Cloudy, light snow p.m.; temp. –7° to 10°; wind NW, 1-3 m.p.h.; 24-in. snow on ground, streams partly open, very abundant icefields on St. Lawrence River. Nineteen observers in 7 parties. Total

party-hours, 45 (41 on foot, 4 by car); total party-miles, 59 (34 on foot, 25 by car). ► **Cooper's Hawk,** 1 (G. L.); Ruffed Grouse, 2; Hairy Woodpecker, 5; Downy Woodpecker, 4; Blue Jay, 18; Common Crow, 2; Black-capped Chickadee, 49; White-breasted Nuthatch, 4; Red-breasted Nuthatch, 7; Robin, 1; Cedar Waxwing, 3; Northern Shrike, 1; Starling, 373; House Sparrow, 314; Evening Grosbeak, 99; Pine Grosbeak, 259; Common Redpoll, 63; White-winged Crossbill, 6; Slate-colored Junco, 1; Tree Sparrow, 1. **Total,** 20 species; about 1213 individuals. (Seen in area count period, but not on count day: **Pigeon Hawk**, Snow Bunting.)—Benoit Asselin, Raymond Cayouette (compiler), Gaston Lepage, Ronald Lepage, Louis-A. Lord (Club des Ornithologues).

11. Bancroft, Ont. (all points within a 15-mile diameter circle, center same as in former years).—Dec. 23; 8 a.m. to 4 p.m. Cloudy; temp. 32° to 26°; no wind. Two observers in 1 party. Total party-hours, 8 (5 on foot, 3 by car); total party-miles, 76 (4 on foot, 72 by car). ► Pileated Woodpecker, 1; Hairy Woodpecker, 9; Downy Woodpecker, 6; Blue Jay, 64; Black-capped Chickadee, 41; White-breasted Nuthatch, 8; Red-breasted Nuthatch, 9; Starling, 1; House Sparrow, 16; Evening Grosbeak, 27; Purple Finch, 1; Pine Grosbeak, 34; Pine Siskin, 2; White-winged Crossbill, 27; Tree Sparrow, 2; Snow Bunting, 32. **Total,** 16 species; 280 individuals.—Douglas Scovell, Earl Stark (compiler).

12. Blenheim, Ont. (all points within a 15-mile diameter circle, center south of Blenheim; including Rondeau Park, Erieau, Cedar Springs, Guilds, near Morpeth; same area as former years).—Dec. 27; 8:30 a.m. to 5 p.m. Overcast, light rain and snow; temp. 28° to 35°; wind SW, 5 m.p.h.; Rondeau Bay frozen, open pools in ice along Lake Erie shore. Twelve observers in 4 parties. Total party-hours, 30 (23 on foot, 7 by car); total party-miles, 110 (30 on foot, 80 by car). ► Mallard, 3; Black Duck, 1; Common Goldeneye, 34; Oldsquaw, 80; Common Merganser, 5; Red-tailed Hawk, 18; Red-shouldered Hawk, 2; Rough-legged Hawk, 12; Bald Eagle, 1; Marsh Hawk, 5; Sparrow Hawk, 2; Bobwhite, 24; Ring-necked Pheasant, 10; Herring Gull, 26; Mourning Dove, 112; Screech Owl, 6; Snowy Owl, 3; Long-eared Owl, 2; Yellow-shafted Flicker, 1; Hairy Woodpecker, 6; Downy Woodpecker, 15; Horned Lark, 50; Blue Jay, 14; Common Crow, 45; Black-capped Chickadee, 2; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 1; Brown Creeper, 7; Robin, 1; Golden-crowned Kinglet, 16; Cedar Waxwing, 1; Starling, 1000; House Sparrow, 750; Eastern Meadowlark, 1; Redwinged Blackbird, 1; Common Grackle, 2; Brown-headed Cowbird, 10; Cardinal, 29; Purple Finch, 2; Am. Goldfinch, 8; Slate-colored Junco, 78; Oregon Junco, 2; Tree Sparrow, 198; Field Sparrow, 9; White-throated Sparrow, 1; Snow Bunting, 198. **Total,** 46 species; about 2796 individuals. (Seen in area count period, but not on count day: Carolina Wren, Evening Grosbeak.)—J. A. Begg, L. J. Bohn, W. J. Carnahan, A. B. Colerick, H. English, W. M. Gray, Margo Griggs, Mrs. R. D. Ussher, R. D. Ussher, G. V. White, Mrs. H. B. Wressell, H. B. Wressell (compiler) (Kent Nature Club).

13. Brockville, Ont. (all points within a 15-mile diameter circle, center Brockville Post Office; about 40% of area in New York State; river surface 19%, open farmland 50%, deciduous woodland 20%, coniferous woodland 7%, marsh 2%, urban area 2%).—Dec. 28; 8 a.m. to 4:30 p.m. Overcast, clearing late p.m.; temp. 25° to 30°; wind SW, 10 m.p.h.; land entirely snow-covered, river mostly ice-covered. Twelve observers in 7 parties. Total party-hours, 51 (25 on foot, 26 by car); total party-miles, 197 (27 on foot, 170 by car). ► Black Duck, 117; Canvasback, 100; Common Goldeneye, 434; Common Merganser, 508; Bald Eagle, 1; Sparrow Hawk, 1; Ruffed Grouse, 2; Great Black-backed Gull, 3; Herring Gull, 230; Ring-billed Gull, 1; Pileated Woodpecker, 3; Hairy Woodpecker, 15; Downy Woodpecker, 26; Blue Jay, 75; Common Crow, 2; Black-capped Chickadee, 243; White-breasted Nuthatch, 30; Red-breasted Nuthatch, 2; Brown Creeper, 3; Golden-crowned Kinglet, 2; Northern Shrike, 3; Starling, 314; House Sparrow, 429; Evening Grosbeak, 96; Purple Finch, 3; Pine Siskin, 8; Am. Goldfinch, 9; Slate-colored Junco, 5; Tree Sparrow, 191; Song Sparrow, 4; Snow Bunting, 300. **Total,** 31 species; about 3160 individuals. (Seen in area count period, but not on count day: Gray Partridge, Black-backed Three-toed Woodpecker, Robin, Common Grackle.)—Walter Ashworth, Mrs. Walter Ashworth, James C. Bayly (compiler), Kenneth Buell, David Hurrie, M. Jarvie, Mrs. M. Jarvie, Barbara Jarvie, Howard Lapp, Mary Hewitt, Alden Strong, Deirdre Webb (Brockville Nature Club).

14. Deep River, Ont. (all points within a 15-mile diameter circle, center Deep River, extending to Rolphton and Petawawa Experimental Forest, including Ottawa River; spruce-fir-pine forest 70%, Black Spruce-cedar swampland 10%, Jack Pine stands 5%, cleared land 10%, river bank 5%).—Dec. 28; 7:30 a.m. to 4:30 p.m. Overcast; temp. 30° to 32°; wind nil; 18-in. powder snow. Ten observers in 3 parties. Total party-hours, 24 (12 on foot, 12 by car); total party-miles, 54 (14 on foot, 40 by car). ► Common Goldeneye, 1; Common Merganser, 35; Herring Gull, 1; Hairy Woodpecker, 4; Downy Woodpecker, 3; Blue Jay, 42; Common Raven, 31; Black-capped Chickadee, 97; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 7; Brown Creeper, 1; Starling, 10; House Sparrow, 7; Pine Grosbeak, 4; Snow Bunting, 107. **Total,** 15 species; about 351 individuals. (Seen in area count period, but not on count day: Ruffed Grouse, Am. Goldfinch.)—F. Armstrong, J. H. Collins, S. P. Gibson, C. A. Herriot, P. Lewis, Mrs. E. Mawson, C. H. Millar, I. L. Ophel (compiler), Mrs. P. Skelly, W. H. Walker.

15. Hamilton, Ont. (all points within a 15-mile diameter circle, center York and Dundurn Sts., including Hamilton, Burlington, Waterdown, Dundas, Greensville, Ancaster, Mineral Springs, Southcote, Hannon, Stoney Creek; pasture 10%, plowland 20%, old fields 15%, orchards 5%, towns and suburbs 10%,

mixed woods 30%, marshes 5%, open water 5%).—Dec. 28; 7:15 a.m. to 5:30 p.m. Clear; temp. 32° to 46°; wind SE, 0-3 m.p.h.; 1-4-in. old snow, most streams and Hamilton Harbor frozen. Forty-one observers in 27 parties. Total party-hours, 169 (147 on foot, 22 by car); total party-miles, 448 (235 on foot, 213 by car). ► Mallard, 39; Black Duck, 140; Redhead, 5; Ring-necked Duck, 1; Canvasback, 11; Greater Scaup, 250; Lesser Scaup, 1; Common Goldeneye, 175; Bufflehead, 12; Oldsquaw, 600; King Eider, 2; White-winged Scoter, **275**; Common Merganser, 207; Red-breasted Merganser, 17; Red-tailed Hawk, **77**; Rough-legged Hawk, 8; Marsh Hawk, 1; Pigeon Hawk, 1; Sparrow Hawk, 33; Ruffed Grouse, 10; Ring-necked Pheasant, 89; Gray Partridge, 14; **Common Snipe, 1** (at sewer outlet—R. D. B.); Glaucous Gull, 1; Great Black-backed Gull, 32; Herring Gull, 1500; Ring-billed Gull, 10; Mourning Dove, 4; Screech Owl, 1; Great Horned Owl, 7; Long-eared Owl, 28; Belted Kingfisher, 3; Yellow-shafted Flicker, 4; Pileated Woodpecker, 1; Hairy Woodpecker, 51; Downy Woodpecker, 158; **Black-backed Three-toed Woodpecker, 1**; Horned Lark, 20; Blue Jay, 213; Common Crow, 380; Black-capped Chickadee, 366; White-breasted Nuthatch, 43; Red-breasted Nuthatch, 14; Brown Creeper, **72**; Winter Wren, 6; Carolina Wren, 2; **Brown Thrasher, 1**; Robin, 10; Golden-crowned Kinglet, **145**; **Ruby-crowned Kinglet, 2**; Cedar Waxwing, 203; Northern Shrike, 3; Starling, 3100; **Myrtle Warbler, 1**; **Yellowthroat, 1**; House Sparrow, 1570; Eastern Meadowlark, 1; Redwinged Blackbird, 8; Rusty Blackbird, **7**; Common Grackle, 5; Brown-headed Cowbird, **5**; Cardinal, **193**; Evening Grosbeak, 3; Purple Finch, 15; Common Redpoll, 19; Pine Siskin, 36; Am. Goldfinch, **620**; Rufous-sided Towhee, 1; Slate-colored Junco, 610; Tree Sparrow, 716; Field Sparrow, 2; White-throated Sparrow, 2; Swamp Sparrow, 7; Song Sparrow, **157**; **Lapland Longspur, 8** (T. C. L.); Snow Bunting, 29. **Total,** 76 species; about 12,366 individuals. (Seen in area count period, but not on count day: Horned Grebe, Harlequin Duck, Hooded Merganser, Cooper's Hawk, Am. Coot, Snowy Owl, Catbird.)—Eric W. Bastin, Neil Bourne, Mr. and Mrs. R. D. Bourne, James Burns, William I. Campbell, Kenneth J. Cox, John Cumming, Robert Curry, Peter Demulder, James A. N. Dowall, Robert O. Elstone, W. A. Gilmour, Leslie A. Gray, Peter Hamel, Mrs. Audrey Hawkes, Peter F. Henderson, Ralph Idema, Margaret Lamb, Mrs. Alice Lamoureux, A. E. LeWarne, Suzanne Lawrie, Thomson C. Lawrie, Robert H. Lloyd, Robert MacLaren, George V. McBride, C. Douglas McCallum, John Miles, Dr. and Mrs. John Miller, John A. Moule, Albert B. Nind, George W. North (compiler), Mrs. Laurel E. North, John Olmsted, David K. Powell, Robert K. Sargeant, Douglas Smith, Robert Stamp, Mabel Watson, J. Harvey Williams (Hamilton Naturalists' Club).

16. **Kingston, Ont.** (all points within a 15-mile diameter circle, center ¼ mile west of Garden Island, including Cataraqui River and Creek, Lake Ontario, St. Lawrence River, Wolfe Island; urban 5%, farmland 25%, mixed woods 15%, marsh 10%, water, about half frozen over by end of day 45%).—Dec. 20; 7:45 a.m. to 5:15 p.m. Clear, then overcast; temp. −15° to 0°; wind N, 0-5 m.p.h.; 8-in. snow on ground, freezing water "steaming" badly. Nineteen observers in 6 parties. Total party-hours, 52½ (18 on foot, 33 by car, 1½ by boat); total party-miles, 369 (40 on foot, 323 by car, 6 by boat). ► Black Duck, 9; Common Goldeneye, 72; Bufflehead, 2; Common Merganser, 59; Red-tailed Hawk, 1; Rough-legged Hawk, 4; Bald Eagle, 1; Marsh Hawk, 1; Sparrow Hawk, 6; Ruffed Grouse, 3; Gray Partridge, 66; Glaucous Gull, 1; Great Black-backed Gull, 23; Herring Gull, 300; Ring-billed Gull, 45; Snowy Owl, 2; **Short-eared Owl, 10** (carefully identified); Pileated Woodpecker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 14; Blue Jay, 32; Common Crow, 6; Black-capped Chickadee, 133; White-breasted Nuthatch, 13; Brown Creeper, 6; Robin, 1; Cedar Waxwing, 1; Northern Shrike, 2; Starling, 1210; House Sparrow, 860; Redwinged Blackbird, 1; Brown-headed Cowbird, 8; Am. Goldfinch, 34; Slate-colored Junco, 13; Tree Sparrow, 124; Song Sparrow, 5; Lapland Longspur, 20; Snow Bunting, 270. **Total,** 38 species; about 3362 individuals. (Seen in area count period, but not on count day: Mallard, Cooper's Hawk, Belted Kingfisher, Winter Wren, Common Grackle, Evening Grosbeak, Common Redpoll.)—A. E. Bell, Dr. and Mrs. K. F. Edwards, M. H. Edwards (compiler), A. E. Garwood, A. E. Hyde, A. M. Hutchison, W. G. Lamb, M. L'Estrange, P. E. Little, L. H. Lowther, D. A. Paul, H. Quilliam, Dr. and Mrs. G. M. Stirrett, A. M. Strong, J. A. Warren, D. Webb, M. Winterink (Kingston Nature Club).

17. **Kirkland Lake, Ont.** (all points within a 15-mile diameter circle, center on golf course; includes city of Kirkland Lake and surrounding areas).—Dec. 21; 7 a.m. to 6 p.m.; temp. −5° to −25°; wind N, 12 m.p.h. Ten observers in 3 parties. Total party-hours, 24 (8 on foot, 16 by car); total party-miles, 144 (16 on foot, 128 by car). ► Common Merganser, 1; Ruffed Grouse, 3; Great Horned Owl, 1; Hairy Woodpecker, 10; Downy Woodpecker, 6; **Black-backed Three-toed Woodpecker, 2**; Gray Jay, 3; Blue Jay, 22; Common Raven, 14; Black-capped Chickadee, 58; Boreal Chickadee, 1; Starling, 36; House Sparrow, 14; **Common Grackle, 1**; Evening Grosbeak, 29; Pine Grosbeak, 31; Snow Bunting, 5. **Total,** 17 species; 237 individuals.—Ed Cox, Mrs. R. E. Evans, Fred Helleiner, Ralph Karlson, Ken MacDonald, P. Richter, Ian Robertson, Mr. and Mrs. J. G. Stephenson, George Timmins, Jr., Frank Washington (compiler) (Kirkland Lake Nature Club).

18. **London, Ont.** (all points within a 15-mile diameter circle, center in London; cedar swamp 10%, pasture 10%, woodlot 15%, farmland 15%, marsh 20%, river valley 25%, town and suburbs 5%).—Dec. 27; 8 a.m. to 4:30 p.m. Snow and rain; temp. 20° to 38°; wind SW to W, 15-25 m.p.h.; river frozen, rapids open. Seventeen observers in 11 parties. Total party-hours, 91 (73 on foot, 18 by car); total party-miles, 202 (72 on foot, 130 by car). ► Great Blue Heron, 2; Canada Goose, 50; Mallard, 9; Black

Duck, 335; Canvasback, 1; Greater Scaup, 2; Common Goldeneye, 58; Hooded Merganser, 1; Common Merganser, 77; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 19; Red-shouldered Hawk, 1; Rough-legged Hawk, 5; Bald Eagle, 2; Marsh Hawk, 1; Sparrow Hawk, 2; Ring-necked Pheasant, 60; Killdeer, 1; Herring Gull, 1; Mourning Dove, 67; Screech Owl, 1; Great Horned Owl, 3; Long-eared Owl, 3; Saw-whet Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 3; Pileated Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 26; Downy Woodpecker, 129; Horned Lark, 1; Blue Jay, 123; Common Crow, 11; Black-capped Chickadee, 225; White-breasted Nuthatch, 28; Red-breasted Nuthatch, 2; Brown Creeper, 14; Winter Wren, 10; Robin, 10; Golden-crowned Kinglet, 54; Cedar Waxwing, 84; Northern Shrike, 3; Starling, 735; House Sparrow, 1815; Cardinal, 246; Evening Grosbeak, 52; Purple Finch, 7; Common Redpoll, 6; Am. Goldfinch, 175; Slate-colored Junco, 211; Tree Sparrow, 268; Field Sparrow, 8; White-throated Sparrow, 3; Swamp Sparrow, 1; Song Sparrow, 37; Snow Bunting, 95. **Total,** 57 species; about 5096 individuals. (Seen in area count period, but not on count day: Bobwhite.)—Frank Cook, Morris Comfort, Gordon Cummings, Eli Davis, Walter Day, William Girling, Carolyn Hobbs, William Jarmain, Howard Keast, J. C. Laughton, James Leach (compiler), Charles Maddeford, T. Maddeford, Paul Mackenzie, Peter Middleton, G. Muller, W. D. Sutton.

19. Pickering Township, Ont. (all points within a 15-mile diameter circle, center same as last year; 15 acres of mixed woodland plus 3 miles of country roads with fields 50%, mixed woodland 50%, including 2 feeding stations).—Dec. 27; 7:20 a.m. to 4:50 p.m. Partly cloudy to overcast with snow; temp. 12° to 33°; wind SW, 0-15 m.p.h.; ground with 2-6-in. snow. Two observers in 2 parties. Total party-hours, 17 (14 on foot, 3 by car); total party-miles, 7 (4 on foot, 3 by car). ► Hairy Woodpecker, 1; Downy Woodpecker, 8; Blue Jay, 20; Black-capped Chickadee, 23; White-breasted Nuthatch, 1; Robin, 2; Starling, 15; House Sparrow, 57; Cardinal, 5; Evening Grosbeak, 2; Purple Finch, 5; Pine Siskin, 28; Am. Goldfinch, 107; Slate-colored Junco, 19; Oregon Junco, 1; Tree Sparrow, 27. **Total,** 16 species; about 321 individuals. (Seen in area count period, but not on count day: Sharp-shinned Hawk, Red-tailed Hawk, Ruffed Grouse, Ring-necked Pheasant, Boreal Owl, Hermit Thrush, Cedar Waxwing, Evening Grosbeak.)—Doris H. Speirs (compiler), J. Murray Speirs.

20. Port Arthur–Fort William, Ont. (all points within a 15-mile diameter circle, center in McIntyre Township; mainly frozen lake 8%, peat and muck bogs 12%, industrial and residential areas 12%, farmlands 25%, woodlands of mainly second growth 43%).—Dec. 26; 8 a.m. to 5 p.m. Cloudy morning, clearing; temp. 8° to 29°; wind 6-0 m.p.h.; 14-in. snow on ground. Eleven observers in 6 parties. Total party-hours, 30 (12 on foot, 18 by car); total party-miles, 279 (21 on foot, 258 by car). ► Common Goldeneye, 5; Ruffed Grouse, 5; Gray Partridge, 10; Glaucous Gull, 4; Herring Gull, 847; Ring-billed Gull, 2; Pileated Woodpecker, 1; Hairy Woodpecker, 10; Downy Woodpecker, 27; Gray Jay, 7; Blue Jay, 19; Common Raven, 175; Common Crow, 8; Black-capped Chickadee, 58; Boreal Chickadee, 3; Robin, 37; Bohemian Waxwing, 457; Cedar Waxwing, 15; Northern Shrike, 1; Starling, 957; House Sparrow, 1810; Common Grackle, 1; Evening Grosbeak, 7; Pine Grosbeak, 131; Common Redpoll, 13. **Total,** 25 species; about 4610 individuals.—A. E. Allin, Mrs. A. E. Allin, Mrs. R. M. Beckett, K. Denis (compiler), N. Denis, C. E. Garton, D. B. McKillop, R. Robb, S. Robb, C. Rydholm, Marion Smith (Thunder Bay Field Naturalists' Club).

21. St. Thomas, Ont. (all points within a 15-mile diameter circle, center same as last year).—Dec. 26; 7:30 a.m. to 5 p.m. Mostly clear; temp. 20° to 24°; wind SW, 10 m.p.h.; ground lightly snow-covered; ponds and Lake Erie frozen. Thirty-eight observers in 9 parties. Total party-hours, 68 (44 on foot, 24 by car); total party-miles, 255 (56 on foot, 199 by car). ► Canada Goose, 520; Mallard, 140; Black Duck, 525; Wood Duck, 1; Common Goldeneye, 3; Cooper's Hawk, 2; Red-tailed Hawk, 69; Red-shouldered Hawk, 1; Rough-legged Hawk, 4; Bald Eagle, 3; Marsh Hawk, 9; Sparrow Hawk, 6; Ruffed Grouse, 5; Bobwhite, 19; Ring-necked Pheasant, 9; Herring Gull, 44; Ring-billed Gull, 1; Mourning Dove, 189; Screech Owl, 4; Great Horned Owl, 1; Long-eared Owl, 2; Short-eared Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 2; Pileated Woodpecker, 1; Hairy Woodpecker, 133; Downy Woodpecker, 133; Horned Lark, 22; Blue Jay, 141; Common Crow, 9; Black-capped Chickadee, 179; **Tufted Titmouse, 1**; White-breasted Nuthatch, 40; Red-breasted Nuthatch, 6; Brown Creeper, 10; Winter Wren, 6; Carolina Wren, 4; Robin, 9; Golden-crowned Kinglet, 111; **Ruby-crowned Kinglet, 1**; Cedar Waxwing, 16; Northern Shrike, 1; Starling, 972; House Sparrow, 1479; Eastern Meadowlark, 16; Rusty Blackbird, 20; Brown-headed Cowbird, 15; Cardinal, 158; Evening Grosbeak, 12; Purple Finch, 18; Am. Goldfinch, 28; Rufous-sided Towhee, 20; Vesper Sparrow, 1; Slate-colored Junco, 637; Oregon Junco, 5; Tree Sparrow, 785; Field Sparrow, 16; **White-crowned Sparrow, 2**; White-throated Sparrow, 3; Swamp Sparrow, 3; Song Sparrow, 30; Lapland Longspur, 150; Snow Bunting, 300. **Total,** 63 species; about 6942 individuals.—Lloyd Auckland, Mr. and Mrs. Fred Bell, Marshall Field (compiler), Russel Foster, John Lemon, Fred Lewis, Mr. and Mrs. J. C. Marr, Ruth Marr, Jim Ronald, Verne Smith, Mr. and Mrs. G. Thorman (St. Thomas Field Naturalists' Club).

22. Sarnia, Ont. (all points within a 15-mile diameter circle, center at junction of River and Lake Shore Roads; pasture 10%, plowland 20%, lake shore 15%, river 10%, conifers 10%, marsh 15%, orchards and farm lots 20%).—Dec. 28; 8:30 a.m. to 4:30 p.m. Heavy fog a.m., clear p.m.; temp. 20° to 38°; no wind; river open, creeks and ponds frozen. Fourteen observers in 4 parties. Total party-hours, 30 (8 on

foot, 22 by car); total party-miles, 120 (10 on foot, 110 by car). ► Mallard, 1; Black Duck, 40; Canvasback, 100; Common Goldeneye, 230; Oldsquaw, 23; Hooded Merganser, 2; Common Merganser, 200; Red-breasted Merganser, 3; Cooper's Hawk, 1; Red-tailed Hawk, 3; Marsh Hawk, 2; Ring-necked Pheasant, 4; **Glaucous Gull, 1** (J. R.); Herring Gull, 320; Ring-billed Gull, 1; Mourning Dove, 250; Downy Woodpecker, 8; Horned Lark, 8; Blue Jay, 33; Common Crow, 13; Black-capped Chickadee, 1; White-breasted Nuthatch, 2; Brown Creeper, 1; Robin, 1; Golden-crowned Kinglet, 3; Cedar Waxwing, 7; Northern Shrike, 2; Starling, 500; House Sparrow, 500; Cardinal, 24; Purple Finch, 3; Am. Goldfinch, 17; Slate-colored Junco, 40; Tree Sparrow, 180; White-throated Sparrow, 1; Song Sparrow, 5; Snow Bunting, 280. **Total,** 37 species; about 2810 individuals. (Seen in area count period, but not on count day: Common Loon, Great Blue Heron, Canada Goose, Greater Scaup, White-winged Scoter.)—Angus Buchanan (compiler), R. A. Carscallen, Jim Carscallen, Morley Carscallen, Mrs. Morley Carscallen, Charlton Carscallen, David Johnston, Mrs. John Hext, Hugh C. Keenan, Ann Keenan, John Roberts, Peter H. Tasker, Arthur T. Storey, Trevor K. Storey.

23. **Sault Ste. Marie, Ont.–Mich.** (all points within a 15-mile diameter circle, center same as last year).—Dec. 28; 8:30 a.m. to 4:30 p.m.; temp. 25° to 35°; wind S, 7-10 m.p.h. Fifteen observers in 9 parties. Total party-hours, 46 (20 on foot, 26 by car); total party-miles, 40 (12 on foot, 28 by car). ► Canada Goose, 5; Black Duck, 9; Common Goldeneye, 98; Common Merganser, 1; Peregrine Falcon, 1; Ruffed Grouse, 2; Herring Gull, 20; Hairy Woodpecker, 4; Downy Woodpecker, 6; Blue Jay, 16; Common Raven, 10; Common Crow, 10; Black-capped Chickadee, 46; Red-breasted Nuthatch, 1; Robin, 1; Bohemian Waxwing, 9; Cedar Waxwing, 10; Starling, 103; House Sparrow, 6; Redwinged Blackbird, 1; Common Grackle, 1; Evening Grosbeak, 135; Pine Grosbeak, 15; Tree Sparrow, 26; Snow Bunting, 165. **Total,** 25 species; about 701 individuals. (Seen in area count period, but not on count day: Snowy Owl, Pileated Woodpecker, Cardinal.)—Mrs. W. Baker, R. Dennison, H. Graham, R. Greenwood, Mr. and Mrs. J. Gunn, Mrs. S. Houghton, J. McPhail and son, Mrs. B. Rollo, G. Stehr, W. Y. Watson (compiler) (Sault Naturalists' Club).

24. **Toronto, Ont.** (all points within a 15-mile diameter circle, center Lytton Boulevard and Avenue Road, including Toronto lakefront from Mimico Creek to Fallingbrook Road, Humber River north to ¼ mile south of Thistletown, Don River north to Thornhill; lake surface 10%, city 25%, suburbs 30%, farmlands 25%, woodlots 8%, marsh 2%).—Dec. 28; 7:30 a.m. to 4:30 p.m. Cloudy early, clearing; temp. 30° to 35°; wind nil; rivers and marshes frozen, ground snow-covered. Fifty-one observers in 16 parties. Total party-hours, 96 (71 on foot, 25 by car); total party-miles, 173 (102 on foot, 71 by car). ► Great Blue Heron, 1; Mallard, 950; Black Duck, 851; Am. Widgeon, 2; Canvasback, 1; Greater Scaup, 2368; Lesser Scaup, 1; Common Goldeneye, 39; Bufflehead, 50; Oldsquaw, 1540; Common Merganser, 80; Sharp-shinned Hawk, 2; Cooper's Hawk, 2; Red-tailed Hawk, 34; Rough-legged Hawk, 4; Marsh Hawk, 1; Sparrow Hawk, 44; Ring-necked Pheasant, 160; Glaucous Gull, 3; Great Black-backed Gull, 21; Herring Gull, 1905; Ring-billed Gull, 532; Mourning Dove, 4; Great Horned Owl, 2; Snowy Owl, 1; Long-eared Owl, 19; Saw-whet Owl, 3; Belted Kingfisher, 4; Yellow-shafted Flicker, 2; Pileated Woodpecker, 4; Hairy Woodpecker, 67; Downy Woodpecker, 162; Black-backed Three-toed Woodpecker, 1; Blue Jay, 87; Common Crow, 66; Black-capped Chickadee, 396; White-breasted Nuthatch, 76; Red-breasted Nuthatch, 7; Brown Creeper, 60; Robin, 19; Hermit Thrush, 1; Golden-crowned Kinglet, 52; Ruby-crowned Kinglet, 3; Cedar Waxwing, 41; Northern Shrike, 6; Starling, 2418; House Sparrow, 921; Rusty Blackbird, 14; Cardinal, 82; Evening Grosbeak, 5; Purple Finch, 39; Common Redpoll, 14; Pine Siskin, 55; Am. Goldfinch, 473; Rufous-sided Towhee, 1; Slate-colored Junco, 193; Oregon Junco, 1; Tree Sparrow, 515; Field Sparrow, 3; White-throated Sparrow, 3; Swamp Sparrow, 3; Song Sparrow, 98; Snow Bunting, 207. **Total,** 63 species; about 14,719 individuals.—H. J. Barnett, O. Bennett, J. Bennett, Ruth Brown, Ralph Brown, D. Burton, L. Butcher, P. Carey, F. Crawford, A. Dawe, D. Elder, J. Fairfield, G. Fairfield, T. S. Farley, C. D. Fowle, A. Gatti, R. Gaymer, C. Goodwin, D. Guthrie, H. Halliday, R. Hansell, D. Hussell, R. James, G. Lambert, J. A. Livingston, M. Lovesy, F. Lovesy, P. MacKay, D. MacKay, B. MacKay, J. Mackintosh, R. McCleary, P. Nelson, D. C. Pace, M. Pannell, R. Pannell, F. Pombiere, B. Renison, J. Sherrin, T. M. Shortt, A. Smith, D. Smith, E. V. Stark (compiler), A. Telfer, W. Tovell, J. Walty, E. Wasserfall, W. Wasserfall, W. Williams, P. Woodford, J. Woodford (Toronto Ornithological Club and friends).

25. **West Elgin, Ont.** (all points within a 15-mile diameter circle, center 1 mile north of West Lorne; tilled farmland 9%, pastures 8%, river and creek gullies 40%, conifer groves 2%, lake front 20%, deciduous woodlots 20%, feeding station 1%).—Dec. 26; 6 a.m. to 5:30 p.m. Clear; temp. –2° to 24°; wind SW, 2-6 m.p.h.; 2-in. crusted snow, streams frozen except at rapids. Twelve observers in 4 parties. Total party-hours, 30 (20 on foot, 10 by car); total party-miles, 124 (24 on foot, 100 by car). ► Pintail, 2; Greater Scaup, 4; Common Goldeneye, 702; Common Merganser, 3; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 26; Red-shouldered Hawk, 2; Bald Eagle, 1; Marsh Hawk, 12; Sparrow Hawk, 1; Bobwhite, 32; Ring-necked Pheasant, 3; Mourning Dove, 90; Screech Owl, 3; Great Horned Owl, 2; Short-eared Owl, 1; Yellow-shafted Flicker, 1; Pileated Woodpecker, 2; Red-bellied Woodpecker, 1; Hairy Woodpecker, 8; Downy Woodpecker, 41; Horned Lark, 31; Blue Jay, 32; Common Crow, 6; Black-capped Chickadee, 38; **Tufted Titmouse, 1** (seen well—D. J., D. M.); White-breasted Nuthatch, 11; Red-breasted Nuthatch, 1; Brown Creeper, 8; Golden-crowned Kinglet, 12; **Loggerhead Shrike, 1**

(carefully identified—R. E. L.); Starling, 344; House Sparrow, 440; Eastern Meadowlark, 2; Cardinal, 139; Purple Finch, 8; Am. Goldfinch, 2; Slate-colored Junco, 171; Tree Sparrow, 229; White-crowned Sparrow, 3; White-throated Sparrow, 3; Swamp Sparrow, 3; Song Sparrow, 29. **Total,** 44 species; about 2454 individuals. (Seen in area count period, but not on count day: Canada Goose, Rough-legged Hawk, Rufous-sided Towhee, Snow Bunting.)—Robert Hopper, Donald Johnson, Harold L. Lancaster, Robert E. Lemon, V. Earl Lemon, Dougald Murray (compiler) (West Elgin Nature Club).

26. Westport, Ont. (all points within a 15-mile diameter circle, center at village municipal office; farmland 15%, lakes 20%, marshes 5%, deciduous woodland 40%, mixed woodland 18%, Red Cedar groves 2%).—Dec. 21; 7:30 a.m. to 4:30 p.m. Clear; temp. −2° to 10°; wind NW, 5 m.p.h.; 12-in. snow on ground, lakes frozen. Eleven observers in 4 parties. Total party-hours, 24 (14 on foot, 10 by car); total party-miles, 152 (16 on foot, 136 by car). ► Mallard, 1; **Wood Duck, 1**; Common Goldeneye, 1; Sharp-shinned Hawk, 1; Ruffed Grouse, 2; Great Horned Owl, 1; **Yellow-shafted Flicker, 1**; Pileated Woodpecker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 5; **Gray Jay, 1**; Blue Jay, 23; Common Crow, 1; Black-capped Chickadee, 171; White-breasted Nuthatch, 7; Red-breasted Nuthatch, 1; Brown Creeper, 2; Starling, 37; House Sparrow, 45; Evening Grosbeak, 1; Purple Finch, 26; Pine Grosbeak, 1; Am. Goldfinch, 13; Slate-colored Junco, 9; Tree Sparrow, 97; Song Sparrow, 2; Snow Bunting, 104. **Total,** 27 species; about 557 individuals.—F. Arnold, R. Arnold, D. Cliff, L. Cliff, D. Crawford, M. Edwards, M. L'Estrange, J. McIntyre, M. McIntyre, A. Strong (compiler), D. Webb.

27. Yorkton, Sask. (all points within a 15-mile diameter circle, center Yorkton; mixed farming country 75%, woodland 25%).—Dec. 26; 8 a.m. to 4:30 p.m. Overcast; temp. 19° to 21°; wind SE, 6 m.p.h.; ground covered with 12-in. snow. Twenty observers in 7 parties. Total party-hours, 27 (13 on foot, 14 by car); total party-miles, 108 (21 on foot, 87 by car). ► Goshawk, 1; Pigeon Hawk, 1; Ruffed Grouse, 6; Sharp-tailed Grouse, 82; Gray Partridge, 43; Great Horned Owl, 1; Hairy Woodpecker, 1; Downy Woodpecker, 2; Blue Jay, 1; Black-billed Magpie, 54; Black-capped Chickadee, 22; Bohemian Waxwing, 19; House Sparrow, 965; Evening Grosbeak, 4; Pine Grosbeak, 8; Common Redpoll, 268; Snow Bunting, 576. **Total,** 17 species; about 2054 individuals.—Gary Anweiler, Brother Eugene, Brother Joseph, Ronald Coleman, Terry Coleman, Henry Chilman, Jr., Tom Cursons, Archie Fraser, Art Gellert, Billy Horseman, Stuart Houston (compiler), Roxby Hughes, Bob Pearce, Irving Pearce, Elwood Sharpe, Cliff Shaw, Jeff Smith, Don Swaby, Frank Switzer, Guillain Switzer (Yorkton Natural History Society).

28. Calgary, Alta. (all points within a 15-mile diameter circle, centering on Louise Bridge and Bow River, including Inglewood Bird Sanctuary, Ogden, Bowness Park, Glenmore Reservoir, St. George's Island, Roxborough Park, Bow and Elbow Rivers, Millican Estate; prairie farmland 30%, river banks 20%, city parks, bird sanctuary 20%, deciduous woods 15%, coniferous woods 15%).—Dec. 21; 8 a.m. to 5 p.m. Mostly sunny; temp. 33° to 49°; wind W, 10 m.p.h.; 2-in. old snow in sheltered areas, rivers open, sloughs frozen. Nine observers in 3 parties. Total party-hours, 24 (13 on foot, 11 by car); total party-miles, 143 (8 on foot, 135 by car). ► Mallard, 878; Common Goldeneye, 237; Common Merganser, 77; large accipiter (sp.), 1; Pigeon Hawk, 2; Ring-necked Pheasant, 45; Gray Partridge, 46; large owl (sp.), 1; Snowy Owl, 2; **Belted Kingfisher, 1**; Hairy Woodpecker, 2; Downy Woodpecker, 3; Horned Lark, 1; Black-billed Magpie, 230; Black-capped Chickadee, 127; Boreal Chickadee, 3; Red-breasted Nuthatch, 4; Brown Creeper, 3; Golden-crowned Kinglet, 8; Bohemian Waxwing, 32; Starling, 4; House Sparrow, 563; Pine Grosbeak, 4; Common Redpoll, 204; White-winged Crossbill, 15; **Oregon Junco, 3** (first definite winter record); Tree Sparrow, 3. **Total,** 27 species; about 2499 individuals. (Seen in area count period, but not on count day: Bald Eagle, Prairie Falcon.)—E. D. Beacham (compiler), Frank Bell, T. Berlando, Cedric Hitchon, Ian Halladay, A. Kennedy, W. E. McKay, Vera Morrison, Alfred Schulze (Calgary Bird Club).

29. Edmonton, Alta. (all points within a 15-mile diameter circle, center Edmonton Airport).—Dec. 21; 8:30 a.m. to 4:30 p.m. Light rain and snow after 11:30 a.m.; temp. 10° to 35°; wind W, 4 m.p.h. Twenty-one observers in 7 parties. Total party-hours, 31 (22 on foot, 9 by car); total party-miles, 113 (24 on foot, 89 by car). ► Mallard, 71; Golden Eagle, 1; Pigeon Hawk, 3; Ruffed Grouse, 3; Ring-necked Pheasant, 33; Gray Partridge, 21; Great Horned Owl, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 31; Gray Jay, 6; Blue Jay, 23; Black-billed Magpie, 86; **Common Crow, 1** (feeding on cow carcass—5 competent observers); Black-capped Chickadee, 138; Boreal Chickadee, 21; **Red-breasted Nuthatch, 1** (H. P.); Brown Creeper, 2; Bohemian Waxwing, **1855**; Starling, 30; House Sparrow, 241; Evening Grosbeak, 31; Pine Grosbeak, 22; Common Redpoll, 44; White-winged Crossbill, 52; Snow Bunting, 16. **Total,** 26 species; about 2735 individuals. (Seen in area count period, but not on count day: **Sharp-shinned Hawk**, Snowy Owl, White-breasted Nuthatch, Northern Shrike.)—A. Allan, G. Ball, K. Ball, D. Bassett, A. Blades, M. Boyd, H. Campbell, M. Forge, H. Habgood, C. Hampson, M. Hampson, R. Heath, E. Höhn, E. Jones, R. Lister, A. MacGregor, H. Pegg (compiler), B. Steele, P. Thompson, R. Turner, M. Wallbridge (Edmonton Bird Club).

30. Ladner, B. C. (all points within a 15-mile diameter circle, center at intersection on Goudy Rd. 1¾ miles south of Ladner Trunk Rd.; including peninsula of Point Roberts, Wash., municipality of Delta, shores of Georgia Strait and Boundary Bay; parts of Lulu Island within circle not covered; salt

water 40%, dyked farmland 20%, peat bog 15%, marshes and shores 15%, upland conifer 5%, suburban 5%).—Dec. 21; 7:40 a.m. to 4:40 p.m. Mostly overcast, showers; temp. 46° to 48°; wind SE to SW, 15-25-10 m.p.h.; ground bare and unfrozen, all waters open. Five observers in 4 parties. Total party-hours, 31 (26 on foot, 2 by car, 3 by bicycle); total party-miles, 87 (39 on foot, 26 by car, 22 by bicycle). ► Common Loon, 50; Arctic Loon, 17; Red-throated Loon, 28; loon (sp.), 289; Red-necked Grebe, 31; Horned Grebe, 51; Eared Grebe, 4; Western Grebe, 204; Double-crested Cormorant, 20; Brandt's Cormorant, 3; Pelagic Cormorant, 4; cormorant (sp.), 15; Great Blue Heron, 70; Snow Goose, 13; Mallard, 203; Pintail, 8150+; Am. Widgeon, 8331; Greater Scaup, 126; Common Goldeneye, 70; Barrow's Goldeneye, 82; Bufflehead, 195; Oldsquaw, 484; Harlequin Duck, 15; White-winged Scoter, 176; Surf Scoter, 355; Common Scoter, 93; Common Merganser, 2; Red-breasted Merganser, 214; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 3; Rough-legged Hawk, 2; Bald Eagle, 4; Marsh Hawk, 2; Peregrine Falcon, 1; Pigeon Hawk, 1; Sparrow Hawk, 3; Ruffed Grouse, 3; California Quail, 17; Ring-necked Pheasant, 204; Am. Coot, 6; Killdeer, 98; Black Turnstone, 59; Common Snipe, 1; Greater Yellowlegs, 2; Dunlin, **12,350+**; Sanderling, 101; Glaucous-winged Gull, 1818; Herring Gull, 38; Mew Gull, 1315; Bonaparte's Gull, 2; Common Murre, 100; Pigeon Guillemot, 36; Marbled Murrelet, 22; Short-eared Owl, 2; Saw-whet Owl, 1; Belted Kingfisher, 2; Red-shafted Flicker, 72; Pileated Woodpecker, 2; Downy Woodpecker, 8; Steller's Jay, 6; Northwestern Crow, 292; Black-capped Chickadee, 85; Chestnut-backed Chickadee, 5; Common Bushtit, 11; Red-breasted Nuthatch, 7; Brown Creeper, 5; Winter Wren, 14; Bewick's Wren, 19; Robin, 151; Varied Thrush, 36; Golden-crowned Kinglet, 99+; Ruby-crowned Kinglet, 7; Northern Shrike, 3; Starling, 6; House Sparrow, 419; Western Meadowlark, 98; Redwinged Blackbird, 273; Brewer's Blackbird, 1361+; Evening Grosbeak, 70; Purple Finch, 16; House Finch, 301; **Common Redpoll, 21** (W. M. H.); Pine Siskin, 259+; Rufous-sided Towhee, 75; **Savannah Sparrow, 1** (W. M. H.); Slate-colored Junco, 2; Oregon Junco, 573; White-crowned Sparrow, 5; Fox Sparrow, 11; Song Sparrow, 330; Snow Bunting, 10. **Total,** 90 species; more than 40,144 individuals.—R. Drent, A. J. Erskine (compiler), Mr. and Mrs. W. Hesse, W. M. Hughes.

31. **Vancouver, B. C.** (all points within a 15-mile diameter circle, center on Broadway West and Granville St., including Vancouver, North Vancouver, parts of Burnaby, West Vancouver, Richmond, Burrard Inlet, N. Arm of Fraser River).—Dec. 26; 7:45 a.m. to 4:30 p.m. Overcast, intermittent rain; temp. 42° to 48°; wind SE, 15 m.p.h. Forty-nine observers in 20 parties. Total party-hours, 150 (126 on foot, 17 by car, 3 by canoe, 4 by bicycle); total party-miles, 390 (211 on foot, 154 by car, 6 by canoe, 19 by bicycle). ► Common Loon, 35; Arctic Loon, 4; Red-throated Loon, 5; loon (sp.), 3; Red-necked Grebe, 6; Horned Grebe, 70; Eared Grebe, 19; Western Grebe, 1532; Pied-billed Grebe, 1; Double-crested Cormorant, 83; Pelagic Cormorant, 56; cormorant (sp.), 29; Great Blue Heron, 50; Canada Goose, 8; Snow Goose, 22; Mallard, 2155; Pintail, 1161; Green-winged Teal, 108; Am. Widgeon, 1338, Shoveler, 7; Wood Duck, 8; Canvasback, 4; Greater Scaup, 2648; Lesser Scaup, 2; Common Goldeneye, 419; Barrow's Goldeneye, 899; Bufflehead, 292; Oldsquaw, 101; Harlequin Duck, 25; White-winged Scoter, 367; Surf Scoter, 2705; Common Scoter, 543; Ruddy Duck, 4; Hooded Merganser, 16; Common Merganser, 117; Red-breasted Merganser, 407; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 9; Rough-legged Hawk, 3; Bald Eagle, 5; Marsh Hawk, 4; Peregrine Falcon, 2; Pigeon Hawk, 7; Sparrow Hawk, 8; Ruffed Grouse, 4; Ring-necked Pheasant, 120; Am. Coot, 321; Killdeer, 23; Black Turnstone, 88; Common Snipe, 15; Dunlin, 4372; Sanderling, 311; Glaucous-winged Gull, 27,547; Herring Gull, 811; California Gull, 1; Mew Gull, 9539; Bonaparte's Gull, 117; Common Murre, 270; Pigeon Guillemot, 41; Marbled Murrelet, 77; Ancient Murrelet, 1; Barn Owl, 2; Short-eared Owl, 7; Belted Kingfisher, 7; Yellow-shafted Flicker, 1; Red-shafted Flicker, 81; Pileated Woodpecker, 3; Yellow-bellied Sapsucker, 6; Hairy Woodpecker, 3; Downy Woodpecker, 18; Horned Lark, 16; Steller's Jay, 79; Common Raven, 10; Northwestern Crow, 638; Black-capped Chickadee, 178; Chestnut-backed Chickadee, 23; Red-breasted Nuthatch, 7; Brown Creeper, 6; Winter Wren, 52; Bewick's Wren, 14; Long-billed Marsh Wren, 1; Robin, 1558; Varied Thrush, 85; Golden-crowned Kinglet, 120; Ruby-crowned Kinglet, 20; Cedar Waxwing, 737; Starling, 30,683; Crested Myna, 152; Northern Shrike, 5; House Sparrow, 1270; Western Meadowlark, 37; Redwinged Blackbird, 440; Brewer's Blackbird, 4796; Evening Grosbeak, 112; Purple Finch, 59; House Finch, 519; Pine Siskin, 413; Rufous-sided Towhee, 114; Slate-colored Junco, 3; Oregon Junco, 804; White-crowned Sparrow, 34; Golden-crowned Sparrow, 5; Fox Sparrow, 15; Song Sparrow, 610; Snow Bunting, 7. **Total,** 104 species; about 102,698 individuals.—R. Drent, William M. Hughes (compiler), Rosamond Ross, J. G. Sarles.

32. **Victoria, B. C.** (all points within a 15-mile diameter circle, including Victoria and Saanich Peninsula).—Dec. 27; 8 a.m. to 4 p.m.; temp. 45° to ?°; wind NE, 6 m.p.h. Twenty-two observers in 8 parties. Total party-hours, 64 (18 on foot, 46 by car); total party-miles, 120 (28 on foot, 92 by car). ► Common Loon, 36; Red-throated Loon, 11; Red-necked Grebe, 41; Horned Grebe, 15; Eared Grebe, 34; Western Grebe, 554; Pied-billed Grebe, 15; Double-crested Cormorant, 43; Pelagic Cormorant, 288; Great Blue Heron, 12; Canada Goose, 21; Mallard, 1608; Gadwall, 1; Pintail, 218; Green-winged Teal, 462; European Widgeon, 1; Am. Widgeon, 4061; Shoveler, 248; Wood Duck, 14; Ring-necked Duck, 1; Canvasback, 87; Greater Scaup, 2163; Lesser Scaup, 2; Common Goldeneye, 228; Bufflehead, 549; Oldsquaw, 48; Harlequin Duck, 107; White-winged Scoter, 258; Surf Scoter, 118; Common Scoter, 6; Ruddy Duck, 244; Hooded Merganser, 56; Common Merganser,

182; Red-breasted Merganser, 163; Sharp-shinned Hawk, 4; Cooper's Hawk, 3; Red-tailed Hawk, 4; Bald Eagle, 2; Peregrine Falcon, 1; Pigeon Hawk, 2; Sparrow Hawk, 4; California Quail, 227; Ring-necked Pheasant, 77; Am. Coot, 1031; Black Oystercatcher, 17; Killdeer, 80; Black Turnstone, 86; Common Snipe, 7; Rock Sandpiper, 35; Dunlin, 40; Glaucous-winged Gull, 2641; Herring Gull, 8; California Gull, 5; Ring-billed Gull, 1; Mew Gull, 929; Common Murre, 3; Pigeon Guillemot, 16; Marbled Murrelet, 23; Band-tailed Pigeon, 2; Short-eared Owl, 1; Belted Kingfisher, 20; Red-shafted Flicker, 125; Pileated Woodpecker, 2; Lewis' Woodpecker, 2; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 3; Skylark, 85; Steller's Jay, 139; Common Raven, 21; Northwestern Crow, 1159; Chestnut-backed Chickadee, 225; Common Bushtit, 29; Red-breasted Nuthatch, 7; Winter Wren, 29; Bewick's Wren, 37; Robin, 7375; Varied Thrush, 43; Golden-crowned Kinglet, 282; Ruby-crowned Kinglet, 18; Northern Shrike, 5; Starling, 7747; House Sparrow, 620; Western Meadowlark, 126; Redwinged Blackbird, 371; Brewer's Blackbird, 409; Evening Grosbeak, 10; Purple Finch, 12; House Finch, 84; Pine Siskin, 196; Rufous-sided Towhee, 104; Oregon Junco, 464; White-crowned Sparrow, 10; Golden-crowned Sparrow, 60; Fox Sparrow, 38; Song Sparrow, 144. **Total,** 96 species; about 37,391 individuals. —K. R. Beckett, Mrs. H. M. Bell, T. Briggs, K. E. Christiansen, J. O. Clay (compiler), A. R. Davidson, R. Fryer, Mrs. A. G. Gosling, Mrs. G. J. Jackson, E. Lemon, Mrs. E. McGavin, M. C. Melburn, B. Morgan, Mrs. B. Morgan, J. H. Palmer, G. A. Poynter, L. Roberts, Mrs. F. A. Sherman, Mrs. M. Slocombe, P. Symons, D. Stirling, Mrs. D. Stirling (Victoria Natural History Society).

33. **Cohoe, Alaska** (all points within a 15-mile diameter circle; includes part of Kasilof River flat, tall evergreen woods, light woods, 3 miles along shore of Cook Inlet).—Dec. 24; 9:30 a.m. to 3 p.m. Partly cloudy; temp. 30° to 26°; wind SE to SW, 10-20 m.p.h. Two observers in 1 party. Total party-hours, 5 (3½ on foot, 1½ by car); total party-miles, 14 (3 on foot, 11 by car). ► Northern Three-toed Woodpecker, 2; Gray Jay, 1; Black-billed Magpie, 1; Common Raven, 23; Black-capped Chickadee, 1; Boreal Chickadee, 15; Northern Shrike, 1; Pine Grosbeak, 1; Hoary Redpoll, 5. **Total,** 9 species; 50 individuals. (Seen in area count period, but not on count day: Goshawk, Bald Eagle, Spruce Grouse, Willow Ptarmigan, Snowy Owl, Common Redpoll.)—Eugene Smith, Mary A. Smith (compiler).

34. **Castine, Me.** (all points within a 15-mile diameter circle, center North Castine; extending north to South Bucksport, east to Blue Hill, south to Castine, west to Penobscot River and Penobscot Bay; salt-water bays 40%, rocky shores 10%, salt marsh 10%, coniferous woodlands 20%, deciduous woodlands 10%, fields and pastures 8%, feeding station areas 2%).—Dec. 31; 5 a.m. to 7 p.m. Clear; temp. -5° to 12°; wind NW, 15-30 m.p.h.; 3-12-in. snow, fresh water frozen, salt water open. Two observers in 2 parties. Total party-hours, 22 (16 on foot, 6 by car); total party-miles, 125 (25 on foot, 100 by car). ► Common Loon, 7; Red-throated Loon, 1; Red-necked Grebe, 2; Horned Grebe, 55; Great Cormorant, 8; Great Blue Heron, 1; Mallard, 7; Black Duck, 816; Greater Scaup, 1500+; Common Goldeneye, 1033; **Barrow's Goldeneye, 4** (at close range); Bufflehead, 164; Oldsquaw, 144; Common Eider, 204; White-winged Scoter, 1200+; Surf Scoter, 115; Common Scoter, 20; Common Merganser, 4; Red-breasted Merganser, 23; Rough-legged Hawk, 1; Bald Eagle, 3; Ruffed Grouse, 2; Ring-necked Pheasant, 3; Purple Sandpiper, 8; **Glaucous Gull, 1** (carefully identified); Great Black-backed Gull, 64; Herring Gull, 786; Black-legged Kittiwake, 1; Black Guillemot, 2; Great Horned Owl, 2; Barred Owl, 1; Pileated Woodpecker, 2; Hairy Woodpecker, 4; Downy Woodpecker, 4; **Black-backed Three-toed Woodpecker, 3** (working together in spruce blow-down); Horned Lark, 17; Blue Jay, 39; Common Raven, 6; Common Crow, 221; Black-capped Chickadee, 125; Boreal Chickadee, 7; White-breasted Nuthatch, 5; Red-breasted Nuthatch, 5; Brown Creeper, 1; Robin, 6; Golden-crowned Kinglet, 12; Northern Shrike, 1; Starling, 136; House Sparrow, 38; **Rusty Blackbird, 2** (all blackbirds at feeders in town); **Common Grackle, 14**; **Brown-headed Cowbird, 8**; Evening Grosbeak, 20; Pine Grosbeak, 4; Common Redpoll, 6; Pine Siskin, 13; Am. Goldfinch, 30; Red Crossbill, 5; White-winged Crossbill, 25; Slate-colored Junco, 11; Tree Sparrow, 85; White-throated Sparrow, 3; Song Sparrow, 2; Lapland Longspur, 2; Snow Bunting, 8. **Total,** 65 species; more than 7052 individuals. (Seen in area count period, but not on count day: Sharp-shinned Hawk, Ring-billed Gull, Dovekie, Snowy Owl, Saw-whet Owl, Purple Finch, Fox Sparrow.)—Mary G. Morse, M. C. Morse, Jr. (compiler).

35. **Deer Isle, Me.** (all points within a 15-mile diameter circle, center old Indian haulover, including entire island and adjacent salt-water coves; rocky shore 10%, salt coves 35%, fields 10%, coniferous forest 40%, suburban 5%).—Dec. 28; 6:45 a.m. to 3:45 p.m. Partly cloudy to clear; temp. 27° to 34°; wind N, 2 m.p.h.; ground with snow and ice, fresh-water ponds frozen. One observer. Total hours, 9 (8 on foot, 1 by car); total miles, 32 (5 on foot, 27 by car). ► Common Loon, 2; Horned Grebe, 129; Great Cormorant, 5; Common Goldeneye, 143; Bufflehead, 133; Oldsquaw, 110; Surf Scoter, 11; Red-breasted Merganser, 3; Purple Sandpiper, **301**; **Sanderling, 2**; Great Black-backed Gull, 4; Herring Gull, 495; Dovekie, 1; Black Guillemot, 2; Hairy Woodpecker, 2; Downy Woodpecker, 5; Horned Lark, 1; Blue Jay, 7; Common Raven, 2; Common Crow, 88; Black-capped Chickadee, 41; Boreal Chickadee, 13; Red-breasted Nuthatch, 1; Brown Creeper, 2; Robin, 2; Golden-crowned Kinglet, 2; Starling, 60; Evening Grosbeak, 13; Slate-colored Junco, 9; Tree Sparrow, 16; White-throated Sparrow, 1; Fox Sparrow, 3; Song Sparrow, 1; Lapland Longspur, 1. **Total,** 34 species; about 1611 individuals. (Seen in area count period, but not on count day: Common Merganser, Ruffed Grouse, Ring-billed Gull, Common Grackle,

Purple Finch, Am. Goldfinch.)—Margaret H. Hundley.

36. **Mount Desert Island, Me.** (all points within a 15-mile diameter circle, center on Hall Quarry; virtually same area as preceding years including Acadia National Park, Bar Harbor, Otter Creek, Seal Harbor, Northeastern Harbor, Somesville, Southwest Harbor, McKinley; rocky shores, coastal waters, coniferous and mixed woodlands, villages).—Dec. 20; 7 a.m. to 4:15 p.m. Cloudy to clear, early snow flurries; temp. 28° to 10°; wind NW, 5-40 m.p.h.; 6-10-in. snow on ground, inland waters frozen, inlets and smaller bays partly frozen. Seventeen observers in 11 parties. Total party-hours, 60 (29 on foot, 30 by car, 1 by boat); total party-miles, 274 (10 on foot, 263 by car, 1 by boat). ► Common Loon, 4; Red-throated Loon, 4; Red-necked Grebe, 7; Horned Grebe, 84; Great Cormorant, 18; **Mallard, 1** (present since Oct.); Black Duck, 157; Greater Scaup, 2612; Common Goldeneye, 286; Barrow's Goldeneye, 2; Bufflehead, 250; Oldsquaw, 327; Common Eider, 932; White-winged Scoter, 792; Surf Scoter, 50; Common Scoter, 20; Common Merganser, 18; Red-breasted Merganser, 25; Red-tailed Hawk, 1; Bald Eagle, 6; Ruffed Grouse, 2; Ring-necked Pheasant, 1; Great Black-backed Gull, 28; Herring Gull, 1094; Ring-billed Gull, 3; **Bonaparte's Gull, 1** (carefully identified—J. F. A.); Black Guillemot, 6; Hairy Woodpecker, 20; Downy Woodpecker, 29; Blue Jay, 55; Common Raven, 13; Common Crow, 87; Black-capped Chickadee, 146; Red-breasted Nuthatch, 17; Brown Creeper, 2; **Carolina Wren, 1** (at feeder since Oct.); **Brown Thrasher, 1** (at feeder for weeks); Robin, **20**; Starling, 83; House Sparrow, 101; **Redwinged Blackbird, 2**; **Rusty Blackbird, 1** (at feeder with Redwings); Common Grackle, 2; Brown-headed Cowbird, 27; Evening Grosbeak, 49; Purple Finch, 2; Pine Siskin, 2; Am. Goldfinch, 2; **Rufous-sided Towhee, 2** (1 each at widely separated feeders); Slate-colored Junco, 23; Tree Sparrow, 119; White-throated Sparrow, 1; Fox Sparrow, 7; Song Sparrow, 9; Snow Bunting, 17. **Total,** 55 species; about 7571 individuals. (Seen in area count period, but not on count day: **Pintail, Common Snipe,** Purple Sandpiper, **Iceland Gull,** Belted Kingfisher, Pileated Woodpecker, **Black-backed Three-toed Woodpecker,** Common Redpoll, **Swamp Sparrow.**) —Mr. and Mrs. J. Franklin Anthony, Jr., Mrs. Arthur Bunker, Mr. and Mrs. Ronald B. Davis, Paul G. Favour, Jr. (compiler), Walter Flagg, Mrs. Horace Mann, Mr. and Mrs. Donald McPheters, Robert Metherell, Mr. and Mrs. Robert W. Patterson, Mrs. Donald Peters, Mr. and Mrs. Henry Rivers, Mrs. Amory Thorndike (Acadia National Park and Mount Desert Island Bird Club).

37. **Pemaquid–Damariscotta Region, Me.** (all points within a 15-mile diameter circle, center Bristol; Pemaquid Point to Damariscotta Mills, including Muscongus Harbor, Webber and Pemaquid Pond areas, cross roads, shores of Damariscotta River, same as covered in 1957; rocky shore 40%, salt bays 15%, meadows and marshes 20%, coniferous woodlands 23%, 5 feeding stations 2%).—Dec. 28; 4 a.m. to 4:30 p.m. Partly cloudy a.m., clear p.m.; temp. 24° to 38°; wind SW to NW, 0-6 m.p.h.; fresh water and salt coves frozen over, ground snow-covered. Four observers in 1 party. Total party-hours, 12½ (8 on foot, 4½ by car); total party-miles, 60 (7 on foot, 53 by car). ► Common Loon, 11; Red-necked Grebe, 10; Horned Grebe, 106; Great Cormorant, 5; Great Blue Heron, 1; Mallard, 6; Black Duck, 219; Common Goldeneye, 311; Barrow's Goldeneye, 1; Bufflehead, 23; Oldsquaw, 177; Common Eider, 110; White-winged Scoter, 5; Common Scoter, 2; Hooded Merganser, 16; Common Merganser, 68; Red-breasted Merganser, 62; Bald Eagle, 1; Ruffed Grouse, 1; Great Black-backed Gull, 8; Herring Gull, 186; Black-legged Kittiwake, 34; Razorbill, 6; Black Guillemot, 7; Great Horned Owl, 1; Barred Owl, 3; Belted Kingfisher, 2; Hairy Woodpecker, 2; Downy Woodpecker, 7; Blue Jay, 27; Common Crow, 34; Black-capped Chickadee, 31; Red-breasted Nuthatch, 3; Robin, 6; Golden-crowned Kinglet, 2; Starling, 27; House Sparrow, 52; Eastern Meadowlark, 4; Brown-headed Cowbird, 26; Evening Grosbeak, 56; Am. Goldfinch, 7; White-winged Crossbill, 25; **Rufous-sided Towhee, 1** (at feeder all Dec.); Slate-colored Junco, 4; Tree Sparrow, 25; White-throated Sparrow, 1; Song Sparrow, 3; Snow Bunting, 3. **Total,** 48 species; about 1728 individuals. (Seen in area count period, but not on count day: Sharp-shinned Hawk, Rough-legged Hawk, Purple Sandpiper, Dovekie, Common Raven, Catbird, Purple Finch.)—Marguerite E. Buxton, Robert B. Buxton (compiler), Hilda F. Libby, Mark L. Libby.

38. **Webster Corner, Me.** (all points within a 15-mile diameter circle, center on Webster Corner as in past years).—Dec. 22; 3 a.m. to 5 p.m. Clear; temp. −10° to 10°; wind W, 0-3 m.p.h.; 8-10-in. snow, Lake Auburn frozen, river open. Five observers in 4 parties. Total party-hours, 40 (30 on foot, 10 by car); total party-miles, 229 (30 on foot, 199 by car). ► Greater Scaup, 3; Common Goldeneye, 17; Bufflehead, 2; Common Merganser, 5; **Red-shouldered Hawk, 1** (carefully identified—M. C. M.); Rough-legged Hawk, 1; Ruffed Grouse, 5; Ring-necked Pheasant, 3; **Iceland Gull, 1** (carefully identified at close range); Great Black-backed Gull, 5; Herring Gull, 434; Great Horned Owl, 1; Barred Owl, 1; Saw-whet Owl, 1; Pileated Woodpecker, 3; Hairy Woodpecker, 7; Downy Woodpecker, 8; Horned Lark, 17; Blue Jay, 83; Common Crow, 31; Black-capped Chickadee, 310; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 42; Brown Creeper, 12; Golden-crowned Kinglet, 30; Northern Shrike, 2; Starling, 154; House Sparrow, 48; Brown-headed Cowbird, 25; Evening Grosbeak, 75; Purple Finch, 4; Pine Grosbeak, 12; Common Redpoll, 8; Pine Siskin, 9; Am. Goldfinch, 9; White-winged Crossbill, 14; Slate-colored Junco, 27; Tree Sparrow, 229; Song Sparrow, 3; Snow Bunting, 4. **Total,** 40 species; about 1648 individuals. (Seen in area count period, but not on count day: Robin.)—Douglas H. Morse (compiler), Lt. and Mrs. M. C. Morse, Jr., Mrs. G. W. Ramsdell, Mrs. W. A. Trafton.

39. Coastal New Hampshire (all points within a 15-mile diameter circle, center near North Hampton Center as in previous years to include Hampton Harbor, Newcastle, Great Bay, Exeter; open ocean 25%, harbors and bays 10%, salt marsh 5%, mixed woods 25%, brush 20%, fields 5%, town 10%).—Dec. 27; midnight to 4:30 p.m. Clear; temp. 12° to 36°; wind NW, 0-5 m.p.h.; snow in patches, up to 6 inches in woods. Nine observers in 4 parties. Total party-hours, 54 (40 on foot, 14 by car); total party-miles, 277 (27 on foot, 250 by car). ► Common Loon, 65; Red-throated Loon, 4; Red-necked Grebe, 6; Horned Grebe, **169**; Great Cormorant, **13**; Canada Goose, 420; Mallard, 1; Black Duck, 213; Greater Scaup, 431; Common Goldeneye, 996; Bufflehead, 63; Oldsquaw, 54; Common Eider, 1; White-winged Scoter, 60; Surf Scoter, 26; Common Merganser, 25; Red-breasted Merganser, 245; Red-shouldered Hawk, 1; buteo (sp.), 1; Bald Eagle, 1; Sparrow Hawk, 1; Ruffed Grouse, 7; Ring-necked Pheasant, 5; Purple Sandpiper, 8; Dunlin, **22**; Great Black-backed Gull, 71; Herring Gull, 1961; Ring-billed Gull, 6; Screech Owl, 2; Great Horned Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 3; Pileated Woodpecker, 2; Hairy Woodpecker, 5; Downy Woodpecker, 22; Horned Lark, 17; Blue Jay, **244**; Common Crow, 202; Black-capped Chickadee, 137; White-breasted Nuthatch, 7; Red-breasted Nuthatch, 1; Brown Creeper, 3; Robin, 5; Hermit Thrush, 1; Golden-crowned Kinglet, 6; Cedar Waxwing, **97**; Starling, 863; Myrtle Warbler, **83**; House Sparrow, 402; Eastern Meadowlark, 10; Common Grackle, 4; Brown-headed Cowbird, 7; Evening Grosbeak, 163; Purple Finch, 6; Am. Goldfinch, 243; Ipswich Sparrow, 2; Slate-colored Junco, 12; Tree Sparrow, 193; White-throated Sparrow, 3; Swamp Sparrow, 2; Song Sparrow, **23**; Snow Bunting, 3. **Total,** 61 species; about 7652 individuals.—Kimball Elkins, Davis Finch, Eugene Finch, Richard Hebert, Vera Hebert, Pauline Merrill, Robert Rathbone, Tudor Richards (compiler), Victor Smith.

40. Dummer Hill, N. H. (all points within a 15-mile diameter circle, center same as last 10 years to include townships of Dummer and Stark; open fields and pastures 40%, Canadian forest 60%).—Dec. 28; 7:30 a.m. to 5 p.m. Cloudy to clear; temp. 25° to 32°; wind SW, 0-5 m.p.h.; 18-24-in. snow cover. Two observers in 2 parties. Total party-hours, 13½ (5 on foot, 8½ on snowshoe); total party-miles, 18 (9 on foot, 9 by snowshoe). ► Ruffed Grouse, 1; Hairy Woodpecker, 1; Blue Jay, 25; Black-capped Chickadee, 120; Boreal Chickadee, 10; Red-breasted Nuthatch, 20; Evening Grosbeak, 2; Purple Finch, 10; Pine Grosbeak, 30; Pine Siskin, 40; Am. Goldfinch, 60; White-winged Crossbill, 2; Tree Sparrow, 3. **Total,** 13 species; about 324 individuals.—Calista C. Harris, Stuart K. Harris (compiler).

41. Errol–Lake Umbagog, N. H. (all points within a 15-mile diameter circle, center Errol Village; Route 26 at Dixville–Millsfield town line to within ½ mile of Upton, Me. and Route 16 at Maine–N. H. line to Cambridge–Dummer line; boreal softwood 50%, hardwood 7%, open field 10%, open river 33%).—Dec. 24; 7 a.m. to 3:30 p.m. Clear; temp. −15° to 10°; wind W, 5 m.p.h.; 2-ft. snow cover, lakes frozen. Two observers in 1-2 parties. Total party-hours, 16 (13 on foot, 3 by car); total party-miles, 33 (24 on foot, 9 by car). ► Black Duck, 2; Common Goldeneye, 26; Common Merganser, 22; Ruffed Grouse, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 4; Black-backed Three-toed Woodpecker, 1; Gray Jay, 3; Blue Jay, 10; Am. Crow, 2; Black-capped Chickadee, 128; Boreal Chickadee, 95; Red-breasted Nuthatch, 45; Golden-crowned Kinglet, 9; Northern Shrike, 1; Common Starling, 7; Evening Grosbeak, 10; Purple Finch, 532; Pine Grosbeak, 20; Common Redpoll, 19; Pine Siskin, **1413**; Am. Goldfinch, 141; White-winged Crossbill, 151; Snow Bunting, 5. **Total,** 25 species; about 2649 individuals.—Richard C. Hebert, Vera H. Hebert (compiler).

42. Franconia, N. H. (all points within a 15-mile diameter circle, center Franconia to include Sugar Hill, Easton, part of Landaff).—Dec. 26; 8 a.m. to 4 p.m. Clear, cloudy at sundown; temp. 10° to 25°; wind 5 m.p.h. Seven observers in 7 parties. Total party-hours, 34; total party-miles, 24 (all on foot). ► Ruffed Grouse, 15; Hairy Woodpecker, 12; Downy Woodpecker, 2; Blue Jay, 36; Black-capped Chickadee, 180; White-breasted Nuthatch, 8; Red-breasted Nuthatch, 15; Evening Grosbeak, 57; Purple Finch, 9; Pine Grosbeak, 5; Common Redpoll, 2; Pine Siskin, 16; Am. Goldfinch, 20; White-winged Crossbill, 3; Slate-colored Junco, 8; Tree Sparrow, 70. **Total,** 16 species; about 458 individuals.—Mrs. Francis L. Blewer (co-compiler), Francis L. Blewer, Mrs. Curtis Brockelman (compiler), Edward A. Harmes, Mrs. Delevan V. Holman, Gerard Paine, Margery Spurr.

43. Laconia–New Hampton, N. H. (all points within a 15-mile diameter circle, center N4333-W7132 (Sanbornton); same area since 1950; mixed woods 57%, suburban 25%, open water 10%, open fields 8%).—Dec. 20; 5:30 a.m. to 4:30 p.m. Clear; temp. 2° to 15°; wind W, 15 m.p.h.; 1-ft. snow cover. Eleven observers in 6 parties. Total party-hours, 42 (16 on foot, 26 by car); total party-miles, 353 (27 on foot, 326 by car). ► Horned Grebe, 4; Mallard, 50; Black Duck, 115; Common Goldeneye, 98; Bufflehead, 3; Hooded Merganser, 20; Common Merganser, 42; Goshawk, 1; Bald Eagle, **4** (all adults); Sparrow Hawk, 1; Ruffed Grouse, 8; Ring-necked Pheasant, 1; Herring Gull, 43; Belted Kingfisher, 1; Pileated Woodpecker, 4; Hairy Woodpecker, 22; Downy Woodpecker, 18; **Horned Lark, 1** (in Snow Bunting flock); Blue Jay, 154; Common Crow, 20; Black-capped Chickadee, 175; White-breasted Nuthatch, 32; Red-breasted Nuthatch, 10; Brown Creeper, 11; Winter Wren, 1; Robin, 5; Golden-crowned Kinglet, 4; Starling, 54; House Sparrow, 212; Brown-headed Cowbird, 11; Evening Grosbeak, 127; Purple Finch, 4; Common Redpoll, 26; Pine Siskin, 832; Am. Goldfinch, **243**; Slate-colored Junco, 31; Tree Sparrow, 94; **Chipping Sparrow, 1** (at feeder); Song Sparrow, 1; Snow Bunting, 18. **Total,** 40 spe-

cies; about 2502 individuals. (Seen in area count period, but not on count day: Pied-billed Grebe, Pine Grosbeak, White-throated Sparrow.)—Bessie Gerry, Della B. Harvey, Richard C. Hebert, Vera H. Hebert (compiler), Margaret McLaughlin, John Merrill, Mary Merrill, Pauline Merrill, Blanche Noyes, Mildred Pitman, Robert W. Smart.

44. **Monadnock Region, N. H.** (all points within a 15-mile diameter circle, center near West Peterboro to include Hancock, Miller State Park, Sharon, Jaffrey, Mt. Monadnock Toll Road, Harrisville; mixed conifers and hardwoods 60%, brush 20%, village 15%, fields 4%, open water 1%).—Dec. 29; midnight to 12:30 a.m.; 6:30 a.m. to 4:30 p.m. Cloudy; temp. 20° to 30°; wind NE, 0-5 m.p.h.; 6-8-in. snow on ground. Seven observers in 3 parties. Total party-hours, 27 (20 on foot, 7 by car); total party-miles, 147 (20 on foot, 127 by car). ► Ruffed Grouse, 6; Ring-necked Pheasant, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 8; Downy Woodpecker, 10; Blue Jay, 124; Common Crow, 11; Black-capped Chickadee, 163; White-breasted Nuthatch, 19; Red-breasted Nuthatch, 7; Brown Creeper, 6; **Robin, 1**; Cedar Waxwing, 10; Northern Shrike, 1; Starling, 61; House Sparrow, 34; **Brown-headed Cowbird, 11**; Evening Grosbeak, 121; Common Redpoll, 28; Pine Siskin, 5; Am. Goldfinch, 78; **Red Crossbill, 21**; White-winged Crossbill, 17; Slate-colored Junco, 16; Tree Sparrow, 38; **White-throated Sparrow, 1**; Song Sparrow, 2. **Total,** 27 species; about 801 individuals. (Seen in area count day, but in captivity because of weakened condition: Rufous-sided Towhee, later released.)—Elliott Allison, Kathleen Allison, Rebecca Hill, William P. Hill, John MacIlwaine, Barbara Richards, Tudor Richards (compiler).

45. **Pittsburg, N. H.** (all points within a 15-mile diameter circle, center as in previous years; from Pittsburg village to Second Connecticut Lake and East Inlet).—Dec. 23; 6:25 a.m. to 4:15 p.m. Cloudy, snow p.m.; temp. 23° to 28°; wind E, 0-8 m.p.h.; 15-20-in. snow on ground. Five observers in 3 parties. Total party-hours, 29 (15 on foot, 14 by car); total party-miles, 95 (17 on foot, 78 by car). ► Black Duck, 17; Common Goldeneye, 9; Common Merganser, 14; Ruffed Grouse, 1; Great Horned Owl, 1; Hairy Woodpecker, 4; Downy Woodpecker, 7; Gray Jay, 2; Blue Jay, 39; Black-capped Chickadee, 139; Boreal Chickadee, 41; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 25; Brown Creeper, 1; Golden-crowned Kinglet, 1; Starling, 2; Evening Grosbeak, 12; Purple Finch, 195; Pine Grosbeak, 100; Common Redpoll, 5; Pine Siskin, 180; Am. Goldfinch, 64; White-winged Crossbill, 165; Slate-colored Junco, 5; Tree Sparrow, 4; Snow Bunting, 5. **Total,** 26 species; about 1039 individuals. (Seen in area count period, but not on count day: Goshawk, Northern Shrike.)—Vivian Danforth, Richard Hebert, Vera Hebert, Fred Scott (compiler), Ethel Sturgis.

46. **Burlington, Vt.** (all points within a 15-mile diameter circle, center at College St. and lake shore; open lake 13%, lake shore 29%, fields 33%, coniferous woods 10%, residential 13%, feeders 2%).—Jan. 1; 6:30 a.m. to 5 p.m. Clear; temp. 8° to 31°; wind SW, 17 m.p.h.; lake open, rivers frozen, 6-12-in. snow. Five observers in 3 parties. Total party-hours, 21 (15 on foot, 4 by car, 2 by boat); total party-miles, 59 (10 on foot, 37 by car, 12 by boat). ► Common Loon, 3; Red-necked Grebe, 1; Horned Grebe, 22; Mallard, 1; Black Duck, 29; Pintail, 1; Greater Scaup, 30; Common Goldeneye, 207; Barrow's Goldeneye, 1; Bufflehead, 8; Oldsquaw, 1; White-winged Scoter, 4; Surf Scoter, 1; Common Merganser, 69; Red-breasted Merganser, 1; Cooper's Hawk, 1; Rough-legged Hawk, 2; Sparrow Hawk, 1; Ruffed Grouse, 1; **Purple Sandpiper, 1** (N. S. J.); Iceland Gull, 1; Great Black-backed Gull, 5; Herring Gull, 696; Ring-billed Gull, 26; Hairy Woodpecker, 3; Downy Woodpecker, 2; Blue Jay, 30; Common Crow, 21; Black-capped Chickadee, 49; White-breasted Nuthatch, 6; Red-breasted Nuthatch, 1; Brown Creeper, 6; Cedar Waxwing, 11; Northern Shrike, 1; Starling, 103; House Sparrow, 105; **Cardinal, 1** (at feeder); Evening Grosbeak, 1; Purple Finch, 1; Common Redpoll, 1; Pine Siskin, 6; Am. Goldfinch, 20; White-winged Crossbill, 1; Slate-colored Junco, 4; Tree Sparrow, 26; Song Sparrow, 2; Snow Bunting, 78. **Total,** 47 species; about 1592 individuals.—Wilbert Chambers, Barbara Eastman, Norman St. Jaques, Marion Smith (compiler), Andrew Stewart.

47. **Saxtons River, Vt.** (all points within a 15-mile diameter circle, center 2½ miles north of Westminster West to include Connecticut River from Williams River to Putney Great Meadows and Walpole, N. H.; open fields 60%, mixed woods 20%, frozen river 10%, residential 10%).—Dec. 28; 7 a.m. to 4 p.m. Clear; temp. 20° to 30°; calm; ground with 3-5-in. snow, little open water. Two observers in 1 party. Total party-hours, 9 (3 on foot, 4 by car, 2 at feeders); total party-miles, 45 (3 on foot, 42 by car). ► Common Goldeneye, 11; Common Merganser, 19; Ruffed Grouse, 3; Herring Gull, 1; Hairy Woodpecker, 1; Downy Woodpecker, 2; Horned Lark, 10; Blue Jay, 26; Common Crow, 15; Black-capped Chickadee, 4; White-breasted Nuthatch, 2; Golden-crowned Kinglet, 1; Starling, 21; House Sparrow, 70; Evening Grosbeak, 70; Purple Finch, 2; Pine Siskin, 22; Am. Goldfinch, 70; Slate-colored Junco, 6; **Song Sparrow, 1** (carefully identified); Lapland Longspur, 3; Snow Bunting, 100. **Total,** 22 species; about 460 individuals. (Seen in area count period, but not on count day: Black Duck, Pileated Woodpecker, **Brown-headed Cowbird,** Tree Sparrow.)—Angus Black (compiler), Michael Choukas.

48. **Topsham, Vt.** (all points within a 15-mile diameter circle, center Macdonald house as in last 4 years; open farmland 59%, mixed deciduous and evergreen woods, swampy in places 36%, orchard 3%, dry pasture 2%).—Dec. 27; 6:30 a.m. to 4:30 p.m. Partly cloudy; temp. 9° to 27°; wind N to SE, 0-5 m.p.h.; 8-20-in. snow on ground, small brooks frozen. Three observers, 2 in 1-2 parties, 1 at feeding station. Total party-hours, 18 (17½ on foot and snowshoe, ½ by jeep); total party-miles, 8 (6½ on foot,

1½ by jeep). ► Ruffed Grouse, 5; Hairy Woodpecker, 11; Downy Woodpecker, 7; Blue Jay, 92; Black-capped Chickadee, 71; White-breasted Nuthatch, 33; Red-breasted Nuthatch, 6; Brown Creeper, 7; Evening Grosbeak, 18; Purple Finch, 26; Pine Grosbeak, 35; Common Redpoll, 49; Pine Siskin, 64; Am. Goldfinch, 3; Red Crossbill, 7; White-winged Crossbill, 2. **Total,** 16 species; 436 individuals. (Seen in area count period, but not on count day: Peregrine Falcon, Horned Lark, Common Crow, Tree Sparrow.)—Alison Macdonald (compiler), Alison M. Macdonald, Elisabeth Macdonald.

49. Belmont, Mass. (all points within a 15-mile diameter circle, center same as in previous 24 years; pasture 10%, deciduous woodland 20%, coniferous woodland 10%, marsh 15%, residential 45%).—Dec. 26; 7 a.m. to 4:30 p.m. Fair; temp. 9° to 32°; wind SW, 4-10 m.p.h.; 2-in. snow on ground, ponds mostly frozen. Nine observers in 7 parties. Total party-hours, 24 (14 on foot, 10 by car); total party-miles, 40 (10 on foot, 30 by car). ► Mallard, **157**; Black Duck, 75; Am. Widgeon, 25; Greater Scaup, 11; Common Merganser, 6; Red-shouldered Hawk, 1; Sparrow Hawk, 3; Ring-necked Pheasant, **56**; Great Black-backed Gull, 16; Herring Gull, 538; **Mourning Dove, 1**; Yellow-shafted Flicker, 2; Hairy Woodpecker, 3; Downy Woodpecker, 17; Blue Jay, **79**; Common Crow, 69; Black-capped Chickadee, 85; White-breasted Nuthatch, 9; Red-breasted Nuthatch, 2; Brown Creeper, 1; Robin, 5; Cedar Waxwing, 33; Starling, 303; House Sparrow, 83; **Cardinal, 1**; Purple Finch, 12; Am. Goldfinch, 18; **Vesper Sparrow, 1** (carefully identified—I. G.); Slate-colored Junco, 95; Tree Sparrow, 47; White-throated Sparrow, 8; Swamp Sparrow, 1; Song Sparrow, 34. **Total,** 33 species; about 1797 individuals. (Seen in area count period, but not on count day: Red-tailed Hawk, **Glaucous Gull,** Screech Owl, Hermit Thrush, Pine Grosbeak, White-winged Crossbill.)—Mrs. William H. Claflin 3rd, Mrs. Francis W. Davis, George A. Drew, Jr., Mrs. Harvey B. Elkins, Kimball C. Elkins, Charles A. Federer 3rd, Ivan Getting, Jr., Mr. and Mrs. Samuel D. Robbins (compilers).

50. Cape Ann, Mass. (all points within a 15-mile diameter circle, centered to include Gloucester, Rockport, Essex, parts of Beverly, Manchester, Ipswich, Hamilton, Wenham, Ipswich Beach; same territory covered for 24 years; rocky shores, coves, sea coast, inland ponds, woodlands, town suburbs, fishing docks).—Dec. 21; 8 a.m. to 4:30 p.m. (one party started at 3 a.m., another at 6:30 a.m.). Clear; temp. 13° to 25°; wind NW, 3 m.p.h.; some snow and ice, ponds frozen. Forty observers in 12 parties plus 21 feeders. Total party-hours, 279 (175 on foot, 100 by car, 4 by boat); total party-miles, 436 (118 on foot, 313 by car, 5 by boat). ► Common Loon, 14; Red-necked Grebe, 3; Horned Grebe, 284; Gannet, 9; Great Cormorant, 165; Black-crowned Night Heron, 2; **Whistling Swan, 1** (3 observers); Canada Goose, 1; Mallard, 13; Black Duck, **5961**; Pintail, 3; Wood Duck, 1; Greater Scaup, 13; Common Goldeneye, 812; Bufflehead, 119; Oldsquaw, 55; Harlequin Duck, 2; Common Eider, 78; White-winged Scoter, 187; Surf Scoter, 8; Common Scoter, 9; **Ruddy Duck, 1**; **Common Merganser, 1**; Red-breasted Merganser, 194; **Cooper's Hawk, 1**; Red-shouldered Hawk, 1; Sparrow Hawk, 5; Ruffed Grouse, 2; Ring-necked Pheasant, 44; Purple Sandpiper, 229; Sanderling, 36; Iceland Gull, 1; Great Black-backed Gull, 380; Herring Gull, 7462; Ring-billed Gull, 1; Razorbill, 1; Dovekie, 5; Black Guillemot, 2; Mourning Dove, **66**; Great Horned Owl, 2; Long-eared Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 26; Hairy Woodpecker, **21**; Downy Woodpecker, **59**; Horned Lark, 28; Blue Jay, **605**; Common Crow, 434; Black-capped Chickadee, **586**; **Tufted Titmouse, 1** (at feeder for week); White-breasted Nuthatch, **39**; Red-breasted Nuthatch, 2; Brown Creeper, 8; **Carolina Wren, 1**; Catbird, 1; Brown Thrasher, 1; Robin, 68; Hermit Thrush, 1; Golden-crowned Kinglet, 16; Cedar Waxwing, 98; Starling, 5855; Myrtle Warbler, 283; House Sparrow, 1078; Eastern Meadowlark, 27; Baltimore Oriole, 2; Common Grackle, **34**; Brown-headed Cowbird, **83**; Dickcissel, 2; Evening Grosbeak, 207; Purple Finch, 134; Common Redpoll, 3; Pine Siskin, 20; Am. Goldfinch, 122; Rufous-sided Towhee, 12; Savannah Sparrow, 12; Slate-colored Junco, 300; Tree Sparrow, 344; **Field Sparrow, 4** (carefully identified); White-throated Sparrow, 93; Fox Sparrow, **11**; Swamp Sparrow, 2; Song Sparrow, 82; Snow Bunting, 46. **Total,** 82 species; about 26,927 individuals. (Seen in area count period, but not on count day: Red-throated Loon, Rough-legged Hawk, Bald Eagle.)—Virginia Armstrong, William Bachrach, Mr. and Mrs. Richard Barnett, Lawrence Brown, Frances L. Burnett, William E. Davis, Mr. and Mrs. John W. Day, Murray Gardler, Don Gould, Mr. and Mrs. Henry Halberg, Rick Howard, H. Lawrence Jodrey, Jr., John Kieran, Ralph Lawson, Bertram Leadbeater, Chris Leahy, Dennis McKenna, Nathaniel C. Nash, Herbert Pratt, William Rice, Sarah F. Robbins, James O. Seamans, Robert Smart, Gerald L. Soucy, Dorothy E. Snyder (compiler), Stephen Spang, Donald Strickland, Wallace Tordoff, Mr. and Mrs. John Walsh, Henry T. Wiggin.

51. Cape Cod, Mass. (all points within a 15-mile diameter circle, centered to include parts of Chatham, Brewster, Orleans, Eastham, outer beaches; same routes as in previous years).—Dec. 28; 4 a.m. to 6 p.m. Clear; temp. 34° to 34°; wind light NW; snow-cover patchy, ponds and marshes completely frozen, bays 2/3 frozen. Forty-one observers in 7 parties. Total party-hours, 134 (76 on foot, 58 by car); total party-miles, 376 (158 on foot, 218 by car). ► Common Loon, 27; Red-throated Loon, 11; Red-necked Grebe, 1; Horned Grebe, **95**; Pied-billed Grebe, 9; Gannet, 8; Great Blue Heron, 50; Black-crowned Night Heron, 12; Canada Goose, 4775; Brant, 852; Mallard, 11; Black Duck, 2185; Pintail, 32; Am. Widgeon, 67; Canvasback, 1; Greater Scaup, 340; Common Goldeneye, 2539; Bufflehead, 885; Oldsquaw, 231; Common Eider, 432; White-winged Scoter, 328; Surf Scoter, 1; Common Scoter, 141; Ruddy Duck, 2; Hooded Merganser, 5; Com-

mon Merganser, 176; Red-breasted Merganser, **1105**; **Goshawk, 1** (A. H. M.); Sharp-shinned Hawk, 4; Red-tailed Hawk, 6; Red-shouldered Hawk, 4; Bald Eagle, 2; Marsh Hawk, 8; **Pigeon Hawk, 2**; Sparrow Hawk, 14; Bobwhite, **105**; Ring-necked Pheasant, 8; **Clapper Rail, 3**; Virginia Rail, 2; **Sora, 1** (N. P. H.); Piping Plover, 1; Killdeer, 2; Black-bellied Plover, 12; **Ruddy Turnstone, 2** (5 observers); **Am. Woodcock, 1**; Common Snipe, 6; Greater Yellowlegs, 1; Dunlin, 883; Sanderling, 377; Great Black-backed Gull, 652; Herring Gull, 8876; Ring-billed Gull, 159; Laughing Gull, 1; Bonaparte's Gull, 2; Black-legged Kittiwake, 71 (2 parties); Razorbill, 2; Mourning Dove, 57; Screech Owl, 1; Great Horned Owl, 5; Barred Owl, 2; Long-eared Owl, 1; Short-eared Owl, 1; Saw-whet Owl, 2; Belted Kingfisher, 6; Yellow-shafted Flicker, 94; Hairy Woodpecker, 10; Downy Woodpecker, 25; Horned Lark, 99; Blue Jay, **324**; Common Crow, 309; Black-capped Chickadee, 762; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 3; Brown Creeper, 5; Carolina Wren, **20**; Long-billed Marsh Wren, 1; Catbird, 6; Robin, **433**; Hermit Thrush, 2; Eastern Bluebird, 19; Golden-crowned Kinglet, 14; Ruby-crowned Kinglet, 1; Cedar Waxwing, 73; Starling, 9140; Myrtle Warbler, 1237; **Yellow-breasted Chat, 1** (at feeder for weeks); House Sparrow, 362; Eastern Meadowlark, 32; Redwinged Blackbird, 12; Common Grackle, 3; Brown-headed Cowbird, 279; Evening Grosbeak, 157; Purple Finch, **120**; Am. Goldfinch, 126; **Red Crossbill, 2**; Rufous-sided Towhee, 4; Ipswich Sparrow, 5; Savannah Sparrow, 18; Sharp-tailed Sparrow, 5; Seaside Sparrow, 2; Vesper Sparrow, 1; Slate-colored Junco, 214; **Oregon Junco, 1** (J. B.); Tree Sparrow, 101; Chipping Sparrow, 5; Field Sparrow, 29; White-throated Sparrow, 94; Fox Sparrow, **40**; Swamp Sparrow, 63; Song Sparrow, 261; Lapland Longspur, 54; Snow Bunting, 106. **Total,** 112 species; about 40,279 individuals. (Seen in area count period, but not on count day: Black-headed Gull.)— James Baird, Eleanor Barry, Mr. and Mrs. Wallace Bailey, Mr. and Mrs. John Beattie, David Carson, Henry Cutler, Mr. and Mrs. William H. Drury, Jr., Osborne Earle, Timothy Earle, Richard Eaton, David L. Emerson, Mrs. Maurice Emery, Robert Fox, Murray Gardler, Richard Gelpke, Donald T. Gould, Mr. and Mrs. Henry Halberg, Wayne Hanley, Norman P. Hill, Richard M. Hinchman, Frederick A. Howard, Richard Kleber, Antoinette Meyer, Allen H. Morgan, Mr. and Mrs. Jalmar Nelson, Ian Nisbet, Theodore Norman, Henry M. Parker (compiler), Mark A. Satterthwaite, Stephen J. Spang, Richard Stackpole, Charles A. Sutherland, Walter Tordoff, Henry White, Mr. and Mrs. Frederick S. Whiteside.

52. **Greenfield, Mass.** (all points within a 15-mile diameter circle, center in Franklin County Fair Grounds as in past counts).—Dec. 21; 7:30 a.m. to 4 p.m. Clear; temp. −10° to 18°; wind NW, 0-5 m.p.h.; ground snow-covered, most water areas frozen. Thirteen observers in 8 parties. Total party-hours, 34 (10 on foot, 24 by car); total party-miles, 311 (21 on foot, 290 by car). ► Black Duck, 4; Common Goldeneye, 10; Common Merganser, 5; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Bald Eagle, 1; Ruffed Grouse, 6; Ring-necked Pheasant, 5; Mourning Dove, 7; Belted Kingfisher, 2; Pileated Woodpecker, 5; Hairy Woodpecker, 30; Downy Woodpecker, 62; Horned Lark, 18; Blue Jay, 415; Common Crow, 129; Black-capped Chickadee, 158; White-breasted Nuthatch, 56; Red-breasted Nuthatch, 2; Brown Creeper, 6; Robin, 11; **Hermit Thrush, 1**; Golden-crowned Kinglet, 5; Starling, 750; **Myrtle Warbler, 1**; House Sparrow, 1058; **Eastern Meadowlark, 2**; Redwinged Blackbird, 1; Brown-headed Cowbird, 118; Evening Grosbeak, 142; Purple Finch, 5; Pine Siskin, **277**; Am. Goldfinch, 332; Slate-colored Junco, 81; Tree Sparrow, 262; **Field Sparrow, 2** (R. S.); Swamp Sparrow, 1; Song Sparrow, **25**; **Lapland Longspur, 1** (G. A. W.). **Total,** 39 species; about 3998 individuals.—Mrs. Carlos Allen, John L. Bagg, Elizabeth Boyden, Arthur A. Green, Harriet E. Harris, F. Raymond Hale, David R. Hirth, Mary E. Holmes, Carol Jones, Mrs. Erwin C. Reed, Cristobel S. Rockwood, Rudolph H. Stone, Glenn A. Weeks (compiler), Mrs. Philip F. Whitmore.

53. **Jamaica Plain–Brookline, Mass.** (all points within a 4-mile diameter circle, center Children's Museum as in previous years).—Dec. 20; 8 a.m. to 4 p.m. Clear; temp. 20° to 30°; wind NW, 12-15 m.p.h.; thin crust of snow on ground, ponds frozen. Eleven observers in 1 party. Total party-hours, 8 (all on foot); total party-miles, 12 (all on foot). ► Mallard, 91; Black Duck, 157; Ruffed Grouse, 1; Ring-necked Pheasant, 12; Am. Coot, 1; Herring Gull, 26; Ring-billed Gull, 1; Mourning Dove, 1; Downy Woodpecker, 3; Blue Jay, 32; Common Crow, 20; Black-capped Chickadee, 30; White-breasted Nuthatch, 6; Brown Creeper, 3; **Mockingbird, 1**; Robin, 15; Golden-crowned Kinglet, 1; Cedar Waxwing, 26; Starling, 65; House Sparrow, 42; Am. Goldfinch, 3; Rufous-sided Towhee, 1; Slate-colored Junco, 30; Tree Sparrow, 1; White-throated Sparrow, 20; Song Sparrow, 11. **Total,** 26 species; about 600 individuals. (Seen in area count period, but not on count day: Pintail, Great Black-backed Gull, Evening Grosbeak.)—Leo Baldyga, William Blakeslee, Paul Brown, Paul Deveau, Miriam E. Dickey (compiler), Roberta Flashman, Stuart Flashman, Karsten Hartel, Patricia Marco, Scott Robinson, Charles Schickle.

54. **Marshfield, Mass.** (all points within a 15-mile diameter circle, center at Ocean Bluff as in previous years).—Dec. 29; 7:30 a.m. to 4:30 p.m. Overcast; temp. 40° to 46°; wind NE, 8-15 m.p.h.; ground bare, most fresh water frozen. Seven observers in 4 parties. Total party-hours, 22 (16 on foot, 6 by car); total party-miles, 78 (25 on foot, 53 by car). ► Common Loon, 8; Red-throated Loon, 3; Red-necked Grebe, 1; Horned Grebe, 24; Great Cormorant, 7; **Great Blue Heron, 1**; **Am. Bittern, 1**; Canada Goose, 1; Black Duck, 69; Greater Scaup, 50; Common Goldeneye, 170; Bufflehead, 36; Oldsquaw, 40; White-winged Scoter, 72; Surf Scoter, 9; Red-breasted Merganser, 44; **Goshawk, 1** (P. I.); Red-tailed Hawk, 2; Rough-legged Hawk, 1; **Bald**

Eagle, 1; Marsh Hawk, 4; Sparrow Hawk, 2; Ruffed Grouse, 1; Ring-necked Pheasant, 17; **Ruddy Turnstone,** 1; Purple Sandpiper, 7; Dunlin, 282; Sanderling, 26; Great Black-backed Gull, 50; Herring Gull, 468; Ring-billed Gull, 14; **Black-headed Gull,** 1 (P. I., A. W.); Bonaparte's Gull, 2; **Black-legged Kittiwake,** 6; Dovekie, 1; Mourning Dove, 56; Short-eared Owl, 1; Yellow-shafted Flicker, 12; Hairy Woodpecker, 1; Downy Woodpecker, 14; Horned Lark, 55; Blue Jay, 117; Common Crow, 72; Black-capped Chickadee, 117; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 1; Brown Creeper, 2; Winter Wren, 1; **Carolina Wren,** 1; **Mockingbird,** 1; **Catbird,** 1; **Brown Thrasher,** 1; Robin, 48; Eastern Bluebird, 4; Golden-crowned Kinglet, 4; Cedar Waxwing, 45; Starling, 1025; Myrtle Warbler, 118; House Sparrow, 218; Eastern Meadowlark, 14; Brown-headed Cowbird, 32; **Cardinal,** 2 (at feeder); Evening Grosbeak, 226; Purple Finch, 108; Am. Goldfinch, 74; **Rufous-sided Towhee,** 2; Savannah Sparrow, 2; Slate-colored Junco, 176; Tree Sparrow, 63; Field Sparrow, 4; White-throated Sparrow, 62; Fox Sparrow, 2; Swamp Sparrow, 4; Song Sparrow, 67; Lapland Longspur, 2; Snow Bunting, 40. **Total,** 76 species; about 4220 individuals. (Seen in area count period, but not on count day: Black-bellied Plover.)—Rosella S. Ames (compiler), Charlotte Brown, Marian V. Brown, Peter Isleib, Alice E. Kingman, Allan Richardson, A. A. Wills.

55. Nantucket, Mass. (all points within a 15-mile diameter circle, centered to include whole island; north to Great Point, east to Siasconset, south to Pines and Larches, west to Eel and Smith's Points; ocean 20%, harbor 10%, beaches and salt marshes 25%, fresh-water ponds 10%, deciduous and pine woods 10%, moors and open farmland 20%, roadside thickets 5%).—Dec. 28; 8 a.m. to 4:30 p.m. Clear; temp. 34° to 40°; wind N, 0-3 m.p.h.; ground bare, ponds mostly frozen, harbors ¾ frozen, ocean open. Fourteen observers in 3 parties. Total party-hours, 22 (5 on foot, 17 by car); total party-miles, 123 (8 on foot, 115 by car). ► Common Loon, **187** (114 in 1 long line—D. S.); Red-necked Grebe, 1; Horned Grebe, 63; Pied-billed Grebe, 2; Great Cormorant, 6; Great Blue Heron, 1; Canada Goose, 114; Black Duck, 203; Am. Widgeon, 339; **Wood Duck,** 1 (seen many days); Redhead, 10; Greater Scaup, 51; Common Goldeneye, 82; Bufflehead, 38; Oldsquaw, 199; Common Eider, 187; White-winged Scoter, 4175; Surf Scoter, 19; Common Scoter, 5; Red-breasted Merganser, 112; Red-tailed Hawk, 11; Marsh Hawk, 4; **Pigeon Hawk,** 1; Sparrow Hawk, 6; Ring-necked Pheasant, 1; Am. Coot, 2; Black-bellied Plover, 15; Ruddy Turnstone, 31; Common Snipe, 2; Dunlin, 6; Sanderling, 30; Great Black-backed Gull, 53; Herring Gull, 1567; Bonaparte's Gull, 8; Razorbill, 1; Dovekie, 1; Mourning Dove, 1; Short-eared Owl, 1; Yellow-shafted Flicker, 34; Downy Woodpecker, 1; Horned Lark, 102; Blue Jay, 27; Common Crow, 115; Black-capped Chickadee, 32; Catbird, 5; **Brown Thrasher,** 1; Robin, 29; **Water Pipit,** 1 (carefully identified); Cedar Waxwing, 34; Starling, 1635; Myrtle Warbler, 235; House Sparrow, 200; Eastern Meadowlark, 18; Redwinged Blackbird, 42; Brown-headed Cowbird, 1; Evening Grosbeak, 81; Purple Finch, 1; Am. Goldfinch, 61; Rufous-sided Towhee, 2; Ipswich Sparrow, 2; Savannah Sparrow, 1; Slate-colored Junco, 3; Tree Sparrow, 1; **White-crowned Sparrow,** 2 (at feeder all month); White-throated Sparrow, 18; Fox Sparrow, 3; Song Sparrow, 47; Snow Bunting, 20. **Total,** 68 species; about 10,290 individuals. (Seen in area count period, but not on count day: Black-crowned Night Heron, Common Merganser, Bobwhite, Purple Sandpiper, Belted Kingfisher, Hairy Woodpecker, Mockingbird, Hermit Thrush, Baltimore Oriole, Common Grackle, **Cardinal,** Lapland Longspur.)—Clinton Andrews, Edith Andrews (compiler), Edward Coffin, Sydney Coffin, Mabel Depue, Mr. and Mrs. Charles Ferreira, Mr. and Mrs. Philip B. Heywood, Mrs. John Lewin, Mrs. Jose Reyes, Dorothy E. Snyder, Elizabeth Van Duyne, Rena White.

56. Newburyport, Mass. (all points within a 15-mile diameter circle, center same as last 19 years).—Dec. 21; 6 a.m. to 5 p.m. Fair; temp. −5° to 12°; wind NW, 0-18 m.p.h.; ground covered with snow, ponds and streams frozen. Twenty-one observers in 7 parties. Total party-hours, 64 (22 on foot, 42 by car); total party-miles, 270 (25 on foot, 245 by car). ► Common Loon, 24; Horned Grebe, 100; Great Cormorant, 2; Canada Goose, **1102**; Mallard, **812**; Black Duck, 12,094; Am. Widgeon, **175**; Canvasback, 3; Greater Scaup, 1270; Common Goldeneye, 730; Bufflehead, 248; Oldsquaw, 284; White-winged Scoter, 380; Surf Scoter, 1; Hooded Merganser, 1; Common Merganser, 14; Red-breasted Merganser, 222; Red-tailed Hawk, 3; Red-shouldered Hawk, 7; Rough-legged Hawk, 4; Bald Eagle, 1; Marsh Hawk, 5; Sparrow Hawk, 6; Ruffed Grouse, 6; Ring-necked Pheasant, 40; Common Snipe, 1; Purple Sandpiper, 7; Iceland Gull, 2; Great Black-backed Gull, 45; Herring Gull, 1914; Ring-billed Gull, 24; Black-headed Gull, **5** (now regular every winter); Bonaparte's Gull, 8; Mourning Dove, 16; Snowy Owl, 1; Yellow-shafted Flicker, 8; **Pileated Woodpecker,** 1; Hairy Woodpecker, 19; Downy Woodpecker, 50; Horned Lark, 71; Blue Jay, 354; Common Crow, 531; Black-capped Chickadee, 490; White-breasted Nuthatch, 23; Red-breasted Nuthatch, 4; Brown Creeper, 7; **Mockingbird,** 1; Robin, 9; Golden-crowned Kinglet, 1; Cedar Waxwing, **230**; Northern Shrike, 1; Starling, 696; Myrtle Warbler, 109; House Sparrow, 571; Eastern Meadowlark, 9; Brown-headed Cowbird, 23; Evening Grosbeak, 238; Purple Finch, 65; Am. Goldfinch, 64; **Rufous-sided Towhee,** 11 (1 flock); Savannah Sparrow, 4; Slate-colored Junco, 268; Oregon Junco, 1; Tree Sparrow, 342; Field Sparrow, 5; **White-crowned Sparrow,** 2 (carefully identified); White-throated Sparrow, 23; Fox Sparrow, 2; Song Sparrow, 28; Lapland Longspur, 6; Snow Bunting, 61. **Total,** 71 species; about 23,885 individuals. (Seen in area count period, but not on count day: Brant, Pintail, Ipswich Sparrow.)—Donald C. Alexander (compiler), Mrs. D. C. Alexander, Mr. and Mrs. Arthur W. Argue, Mr. and Mrs. Wallace Bailey, Mr. and Mrs. Thomas Banes, Eleanor

E. Barry, Elmer P. Foye, Wayne Hanley, Winthrop Harrington, Stuart K. Harris, Leon Keach, Richard T. Kleber, Dr. and Mrs. Stephen Maddock, Mr. and Mrs. H. L. Strickland.

57. **Northampton, Mass.** (all points within a 15-mile diameter circle, center as in previous years). —Dec. 28; 6 a.m. to 4:30 p.m. Clear; temp. 24° to 38°; wind SW, light; rivers and ponds almost solidly frozen, little snow cover. Seventy-two observers, about half in field, half watching home feeders. ► **Am. Bittern, 1** (seen well); Black Duck, 48; Wood Duck, 1; Common Goldeneye, 1; Hooded Merganser, 1; Common Merganser, 13; Goshawk, 1; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 2; Bald Eagle, 1; Sparrow Hawk, 8; Ruffed Grouse, 30; Ring-necked Pheasant, 55; Herring Gull, 11; Mourning Dove, **123**; Great Horned Owl, 5; Belted Kingfisher, 2; Yellow-shafted Flicker, 2; Pileated Woodpecker, 3; Hairy Woodpecker, 78; Downy Woodpecker, 137; Horned Lark, 270; Blue Jay, **940**; Common Crow, 920; Black-capped Chickadee, 615; **Tufted Titmouse, 1** (S. A. E.); White-breasted Nuthatch, 121; Red-breasted Nuthatch, 2; Brown Creeper, 36; Winter Wren, 2; Carolina Wren, 1; Robin, 38; Golden-crowned Kinglet, 47; Ruby-crowned Kinglet, 3; Cedar Waxwing, 16; Starling, 4200; House Sparrow, 2425; Eastern Meadowlark, 27; Redwinged Blackbird, 3; **Baltimore Oriole, 1**; Brown-headed Cowbird, 65; **Cardinal, 9**; Evening Grosbeak, 965; Purple Finch, 21; Pine Grosbeak, 19; Common Redpoll, 39; Pine Siskin, 8; Am. Goldfinch, 465; Savannah Sparrow, 5; Slate-colored Junco, 560; Tree Sparrow, 1450; **Chipping Sparrow, 1**; Field Sparrow, 2; White-throated Sparrow, 24; Swamp Sparrow, 4; Song Sparrow, **135**; Lapland Longspur, 9; Snow Bunting, 38. **Total,** 59 species; about 14,013 individuals. (Seen in area count period, but not on count day: Red-shouldered Hawk, Barn Owl, Common Grackle.)—L. M. Bartlett (compiler), S. A. Eliot, R. Stone, G. A. Weeks.

58. **Quincy, Mass.** (all points within a 15-mile diameter circle, center so as to include Squantum, Moon Island, Wollaston, Milton, Braintree, Hingham, Hull; shore 50%, salt marsh 5%, open woods and park 30%, residential 15%).—Dec. 20; 7 a.m. to 5 p.m. Fair; temp. 10° to 20°; wind NW to NE, 25 m.p.h.; salt bays and most fresh water frozen. Twelve observers in 4 parties. Total party-hours, 38 (25 on foot, 13 by car); total party-miles, 204 (14 on foot, 190 by car). ► Common Loon, 8; Red-throated Loon, 4; Horned Grebe, 22; Great Cormorant, 20; Black-crowned Night Heron, 11; Mallard, 12; Black Duck, 876; **Blue-winged Teal, 1**; Canvasback, 1; Greater Scaup, 2930; Lesser Scaup, 8; Common Goldeneye, 574; Bufflehead, 211; Oldsquaw, 2; Common Eider, 4; White-winged Scoter, 67; Surf Scoter, 3; Common Scoter, 1; Common Merganser, 7; Red-breasted Merganser, 281; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Rough-legged Hawk, 2; Sparrow Hawk, 7; Ring-necked Pheasant, 6; Greater Yellowlegs, 1; Purple Sandpiper, 40; Sanderling, 17; Great Black-backed Gull, 200; Herring Gull, 27,396; Ring-billed Gull, 9; Black-headed Gull, 3; Bonaparte's Gull, 1; Mourning Dove, 25; Short-eared Owl, 6; Belted Kingfisher, 1; Yellow-shafted Flicker, 14; Hairy Woodpecker, 6; Downy Woodpecker, 29; Horned Lark, 3; Blue Jay, 156; Common Crow, 56; Black-capped Chickadee, 168; Tufted Titmouse, 1; White-breasted Nuthatch, 10; Red-breasted Nuthatch, 8; Brown Creeper, 13; Catbird, 2; Brown Thrasher, 2; Robin, 3; Hermit Thrush, 1; Golden-crowned Kinglet, 7; Cedar Waxwing, 13; Starling, 91,000; Myrtle Warbler, 13; House Sparrow, 470; Eastern Meadowlark, 8; Redwinged Blackbird, 1; Common Grackle, 5; Brown-headed Cowbird, 6; Cardinal, 1; Evening Grosbeak, 126; Purple Finch, 36; Am. Goldfinch, 79; Rufous-sided Towhee, 2; Savannah Sparrow, 3; Slate-colored Junco, 155; Tree Sparrow, 56; White-throated Sparrow, 45; Fox Sparrow, 4; Swamp Sparrow, 14; Song Sparrow, 38. **Total,** 72 species; about 125,315 individuals.—C. Clark, R. Fox, D. Harrington, W. Harrington, Ruth K. Higginbotham (compiler), S. Higginbotham, J. Howland, A. Keith, D. Mills, J. Nelson, J. O'Regan, A. Peterson, G. Wilson.

59. **Springfield, Mass.** (all points within a 15-mile diameter circle, center same as last year).—Dec. 27; 7 a.m. to 4:30 p.m. Clear; temp. 3° to 36°; wind S, 5 m.p.h.; snow on ground, marshes frozen, ponds and river mostly frozen. Forty-six observers in 14 parties. Total party-hours, 86 (61 on foot, 25 by car); total party-miles, 322 (64 on foot, 258 by car). ► Canada Goose, **27**; Mallard, 402; Black Duck, 194; Shoveler, 1; **Hooded Merganser, 2**; Common Merganser, 73; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 5; Red-shouldered Hawk, 3; Bald Eagle, 3; Sparrow Hawk, 13; Ruffed Grouse, 12; Ring-necked Pheasant, 37; Herring Gull, 136; Ring-billed Gull, 4; Mourning Dove, **132**; Screech Owl, 1; Barred Owl, 1; Belted Kingfisher, 4; Pileated Woodpecker, 2; **Yellow-bellied Sapsucker, 1**; Hairy Woodpecker, 41; Downy Woodpecker, 68; Horned Lark, 122; Blue Jay, **535**; Common Crow, 1125; Black-capped Chickadee, 339; White-breasted Nuthatch, 51; Brown Creeper, **33**; Winter Wren, 2; Catbird, 1; Robin, 19; Hermit Thrush, 1; Golden-crowned Kinglet, 25; Ruby-crowned Kinglet, 4; Cedar Waxwing, **121**; Starling, 4337; **Myrtle Warbler, 2**; House Sparrow, 1732; Eastern Meadowlark, 18; Redwinged Blackbird, 20; **Baltimore Oriole, 1** (at feeder); Brown-headed Cowbird, **503**; Cardinal, 4; Evening Grosbeak, 226; Purple Finch, 65; Pine Grosbeak, 1; Am. Goldfinch, 135; Savannah Sparrow, 3; Slate-colored Junco, 343; Tree Sparrow, 960; Field Sparrow, 4; White-throated Sparrow, 4; Swamp Sparrow, 2; Song Sparrow, **92**. **Total,** 56 species; about 11,994 individuals. (Seen in area count period, but not on count day: Canvasback, Common Goldeneye, Am. Coot, Great Black-backed Gull.)—Mr. and Mrs. R. L. Ballman (compilers), Mr. and Mrs. M. R. Bates, Mrs. C. W. Blake, Edward Doherty, David Heffron, Mrs. J. P. Hunter, A. Mytkowicz, Mabel Potter, R. Stone, Olga Thyberg, Gladys Todd, W. A. Tompkins, Mrs. D. C. Trombla, Elaine Tuper, Mildred Tyler, Florence Wood.

60. Ware, Mass. (all points within a 15-mile diameter circle, center 1 mile north of Town Hall; town gardens 5%, farmland 20%, woodland 15%, marsh 20%, reservoirs and watersheds 40%).—Dec. 28; 7 a.m. to 4:30 p.m. Fair; temp. 16° to 40°; wind SW, 0-3 m.p.h.; 2-in. old snow, all water except reservoir frozen. Fourteen observers in 6 parties. Total party-hours, 35 (17 on foot, 18 by car); total party-miles, 60 (20 on foot, 40 by car). ► Horned Grebe, 3; Pied-billed Grebe, 1; Mallard, 2; Black Duck, 131; Wood Duck, 1; Common Goldeneye, 14; Hooded Merganser, 7; Common Merganser, 155; Red-tailed Hawk, 4; Bald Eagle, 8; Ruffed Grouse, 12; Ring-necked Pheasant, 4; Iceland Gull, 1; Great Black-backed Gull, 1; Herring Gull, 314; Ring-billed Gull, 2; Mourning Dove, 10; Yellow-shafted Flicker, 2; Pileated Woodpecker, 1; Hairy Woodpecker, 6; Downy Woodpecker, 43; Blue Jay, 150; Common Crow, 100; Black-capped Chickadee, 118; White-breasted Nuthatch, 8; Brown Creeper, 6; Robin, 3; Golden-crowned Kinglet, 13; Cedar Waxwing, 3; Starling, 175; House Sparrow, 194; Eastern Meadowlark, 3; Brown-headed Cowbird, 5; Evening Grosbeak, 150; Purple Finch, 7; Pine Siskin, 4; Am. Goldfinch, 60; Slate-colored Junco, 42; Tree Sparrow, 173; Song Sparrow, 8. **Total,** 40 species; about 1944 individuals. (Seen in area count period, but not on count day: White-winged Scoter, White-throated Sparrow.)—L. G. Albertine, M. E. Albertine, S. T. Berube, W. H. Berube, A. D. Bramble, A. D. Bramble, Jr., M. Bramble, L. A. Campbell, L. M. Campbell, J. H. Conkey (compiler), M. A. Descoteaux, N. A. Descoteaux, M. D. Granger, L. R. Marland (Quabbin Bird Club).

61. Worcester, Mass. (all points within a 15-mile diameter circle, center at Worcester city line on West Boylston Drive; includes Worcester, West Boylston, Boylston, Clinton, Sterling).—Dec. 21; 6:45 a.m. to 4:15 p.m. Clear; temp. 0° to 16°; wind NW, 20 m.p.h.; 2-in. crusted snow, reservoir and 2 ponds half open. Four observers in 1 party. Total party-hours, 9½ (1 on foot, 8½ by car); total party-miles, 76 (1 on foot, 75 by car). ► Common Loon, 3; Mallard, 75; Black Duck, 22; Greater Scaup, 2; Common Goldeneye, 4; Common Merganser, 36; Sparrow Hawk, 1; Ring-necked Pheasant, 5; Herring Gull, 24; Mourning Dove, 5; Downy Woodpecker, 2; Blue Jay, 14; Common Crow, 9; Black-capped Chickadee, 14; White-breasted Nuthatch, 2; Brown Creeper, 2; Robin, 1; Cedar Waxwing, 20; Starling, 30; House Sparrow, 40; **Baltimore Oriole, 1** (present since Nov.); Evening Grosbeak, 21; Am. Goldfinch, 8; Slate-colored Junco, 16; Tree Sparrow, 22; White-throated Sparrow, 2. **Total,** 26 species; about 381 individuals.—Davis H. Crompton (compiler), Mrs. Beatrice Heywood, Philip B. Heywood, Francis X. McMenemy.

62. Newport County, R. I. and Westport, Mass. (all points within a 15-mile diameter circle, center Little Compton; same area and coverage as last 9 years).—Dec. 21; 6 a.m. to 5:15 p.m. Clear; temp. 8° to 20°; wind NW, 10-15 m.p.h.; remnant snow cover, fresh water frozen, tidal inlets iced. Twenty-seven observers in 9 parties. Total party-hours, 98 (53 on foot, 45 by car); total party-miles, 360 (82 on foot, 278 by car). ► Common Loon, 85; Red-throated Loon, 32; Red-necked Grebe, 1; Horned Grebe, 933; Pied-billed Grebe, 2; Great Cormorant, 152; Great Blue Heron, 14; Black-crowned Night Heron, 1; Mute Swan, 52; Canada Goose, 314; Mallard, 20; Black Duck, 781; Pintail, 5; Green-winged Teal, 2; Am. Widgeon, 230; Canvasback, 5; Greater Scaup, 2310; Common Goldeneye, 1132; Bufflehead, 336; Oldsquaw, 6; Common Eider, 1; White-winged Scoter, 517; Surf Scoter, 59; Common Scoter, 148; Hooded Merganser, 16; Common Merganser, 280; Red-breasted Merganser, 498; Goshawk, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 17; Red-shouldered Hawk, 6; Rough-legged Hawk, 1; Marsh Hawk, 17; Sparrow Hawk, 24; Bobwhite, 49; Ring-necked Pheasant, 32; Am. Coot, 5; Killdeer, 6; Black-bellied Plover, 2; **Am. Woodcock, 1**; Common Snipe, 10; Purple Sandpiper, 96; Dunlin, 467; Sanderling, 21; Great Black-backed Gull, 232; Herring Gull, 3733; Ring-billed Gull, 104; Bonaparte's Gull, 139; Mourning Dove, 455; Barn Owl, 1; Screech Owl, 4; Great Horned Owl, 4; Long-eared Owl, 1; Short-eared Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 63; **Yellow-bellied Sapsucker, 1**; Hairy Woodpecker, 4; Downy Woodpecker, 58; Horned Lark, 521; Blue Jay, 266; Common Crow, 428; Black-capped Chickadee, 309; White-breasted Nuthatch, 7; Brown Creeper, 12; Winter Wren, 7; Carolina Wren, 15; Long-billed Marsh Wren, 1; Mockingbird, 3; Catbird, 26; Brown Thrasher, 4; Robin, 305; Hermit Thrush, 27; Eastern Bluebird, 20; Golden-crowned Kinglet, 10; Ruby-crowned Kinglet, 4; Water Pipit, 1; Cedar Waxwing, 57; Loggerhead Shrike, 2; Starling, 3270; Orange-crowned Warbler, 1; Myrtle Warbler, 435; Palm Warbler, 1; Yellow-breasted Chat, 1; House Sparrow, 698; Eastern Meadowlark, 147; Redwinged Blackbird, 13; **Rusty Blackbird, 2**; Common Grackle, 6; Brown-headed Cowbird, 329; Evening Grosbeak, 11; Purple Finch, 67; Am. Goldfinch, 127; Rufous-sided Towhee, 21; Ipswich Sparrow, 11; Savannah Sparrow, 83; Sharp-tailed Sparrow, 3 (1 Acadian); Vesper Sparrow, 16; Slate-colored Junco, 263; Tree Sparrow, 371; **Chipping Sparrow, 1**; Field Sparrow, 57; White-throated Sparrow, 1077; Fox Sparrow, 28; Swamp Sparrow, 60; Song Sparrow, 193; Lapland Longspur, 1; Snow Bunting, 120. **Total,** 109 species (1 additional race); about 22,931 individuals.—D. Atwater, J. Baird, C. Blake, R. Bowen, N. Clements, R. C. Clement, S. Crawford, M. Curry, S. S. Dana (compiler), H. Day, W. Dean, D. Emerson, H. Gates, A. Hawkes, N. Hill, Mrs. K. Kinsey, D. Kraus, R. MacLachlan, I. Nisbet, Frances Perry, B. Ridgely, Mrs. J. Riley, Mr. and Mrs. M. Smith, R. Udall, Elizabeth Weeks, J. Weske.

63. South Kingstown, R. I. (all points within a 15-mile diameter circle, center near Tuckertown as in last 8 years).—Jan. 1; 6:15 a.m. to 4:45 p.m. Clear to overcast; temp. 20° to 40°; wind SE, 0-5 m.p.h.; ground bare and frozen, only estuaries and

ocean open. Seventeen observers in 4 parties. Total party-hours, 39 (24 on foot, 15 by car); total party-miles, 175 (25 on foot, 150 by car). ► Common Loon, 105; Red-throated Loon, 44; Red-necked Grebe, 1; Horned Grebe, 168; Pied-billed Grebe, 8; Great Cormorant, **244**; Great Blue Heron, 24; Mute Swan, 46; Canada Goose, 78; Mallard, 24; Black Duck, 817; Pintail, 1; Am. Widgeon, 48; Redhead, 3; Canvasback, 6; Greater Scaup, 1017; Lesser Scaup, 2; Common Goldeneye, 299; Bufflehead, 55; Oldsquaw, 7; **Harlequin Duck, 3** (numerous observers); White-winged Scoter, 163; Surf Scoter, 35; Common Scoter, 13; Common Merganser, 33; Red-breasted Merganser, 459; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 3; Sparrow Hawk, 13; Bobwhite, 16; Ring-necked Pheasant, 4; Am. Woodcock, 1; Common Snipe, 5; Purple Sandpiper, 37; Sanderling, 1; Great Black-backed Gull, 191; Herring Gull, 1441; Ring-billed Gull, 62; Bonaparte's Gull, 10; Mourning Dove, 63; Screech Owl, 1; Great Horned Owl, 4; Barred Owl, 1; **Saw-whet Owl, 1**; Belted Kingfisher, 2; Yellow-shafted Flicker, 22; Hairy Woodpecker, 4; Downy Woodpecker, 18; **Black-backed Three-toed Woodpecker, 1** (well seen at 20 ft.); Horned Lark, 152; Blue Jay, 150; Common Crow, 142; Black-capped Chickadee, 133; White-breasted Nuthatch, 8; Carolina Wren, 5; Long-billed Marsh Wren, 2; Catbird, 16; Brown Thrasher, 1; Robin, **220**; Hermit Thrush, 5; Eastern Bluebird, 11; Golden-crowned Kinglet, 4; **Water Pipit, 1**; Cedar Waxwing, 28; Loggerhead Shrike, **3**; Starling, 3597; Myrtle Warbler, 516; House Sparrow, 127; Eastern Meadowlark, 9; Redwinged Blackbird, 9; Rusty Blackbird, 3; Common Grackle, 1; Brown-headed Cowbird, 339; **Cardinal, 2**; Evening Grosbeak, 65; Purple Finch, 38; Am. Goldfinch, 28; Rufous-sided Towhee, 8; Ipswich Sparrow, 4; Savannah Sparrow, 19; **Sharp-tailed Sparrow, 2** (carefully identified); Vesper Sparrow, **19**; Slate-colored Junco, 43; Tree Sparrow, 380; Field Sparrow, 21; White-throated Sparrow, 369; Fox Sparrow, 5; Swamp Sparrow, 19; Song Sparrow, 111; Lapland Longspur, 1; Snow Bunting, 1. **Total,** 95 species; about 12,228 individuals. (Seen in area count period, but not on count day: Ruddy Duck, Dunlin, Brown Creeper, Dickcissel.)—J. Baird, R. Champlin, S. Crawford, Mr. and Mrs. T. M. Curry, Jr., E. Dearborn, H. Day, D. Emerson, Mr. and Mrs. H. Gates, T. Greene, Jr., K. Kinsey, D. Kraus (compiler), B. Murray, Jr., E. Parker, E. Saunders, C. Wood (Little Rest Bird Club).

64. **Greenwich–Stamford, Conn.** (all points within a 15-mile diameter circle; essentially Port Chester, N. Y. count of 45 years moved slightly).—Dec. 27; 5:30 a.m. to 5 p.m. Clear to overcast; temp. 18° to 30°; wind NW, 10-15 m.p.h.; ground bare, ponds and lakes mostly frozen. Seventy-four observers in 17 parties. Total party-hours, 85 (46 on foot, 39 by car); total party-miles, 335 (84 on foot, 251 by car). ► Common Loon, 1; Red-throated Loon, 2; Red-necked Grebe, 1; Horned Grebe, 132; Pied-billed Grebe, 6; Great Cormorant, 3; Great Blue Heron, 4; Black-crowned Night Heron, 1; Mute Swan, 77; Canada Goose, 498 (2 **Lesser** at close range); Mallard, 1066; Black Duck, 1857; Pintail, 2; Am. Widgeon, 45; Ring-necked Duck, 12; Canvasback, 20; Greater Scaup, 2563; Lesser Scaup, 20; Common Goldeneye, 283; Bufflehead, 179; Oldsquaw, 144; White-winged Scoter, **255** (very low); Surf Scoter, 62; Common Scoter, 10; Hooded Merganser, 4; Common Merganser, 111; Red-breasted Merganser, 43; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 13; Red-shouldered Hawk, 17; Marsh Hawk, 1; Sparrow Hawk, 6; Ruffed Grouse, 6; Ring-necked Pheasant, 20; Clapper Rail, 4; Am. Coot, 2; Killdeer, 13; Black-bellied Plover, 2; Great Black-backed Gull, 51; Herring Gull, 2181; Ring-billed Gull, 36; Mourning Dove, 346; Screech Owl, 1; Great Horned Owl, 4; Barred Owl, 4; Belted Kingfisher, 11; Yellow-shafted Flicker, 60; Pileated Woodpecker, 4; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 91; Downy Woodpecker, 281; Horned Lark, 7; Blue Jay, 773; Common Crow, 671; Fish Crow, 2; Black-capped Chickadee, 936; Tufted Titmouse, **133**; White-breasted Nuthatch, **232**; Red-breasted Nuthatch, 2; Brown Creeper, 26; Winter Wren, 3; Carolina Wren, 8; Catbird, **8**; Brown Thrasher, 2; Robin, 303; Hermit Thrush, 13; Eastern Bluebird, 151; Golden-crowned Kinglet, 16; Ruby-crowned Kinglet, 3; Cedar Waxwing, 256; Northern Shrike, 1; Starling, 7109; Myrtle Warbler, 131; House Sparrow, 770; Eastern Meadowlark, 18; Redwinged Blackbird, 52; Rusty Blackbird, 1; Common Grackle, 19; Brown-headed Cowbird, **2100**; Cardinal, 106; Evening Grosbeak, 4; Purple Finch, 192; House Finch, 92; Pine Grosbeak, 6; Pine Siskin, 14; Am. Goldfinch, 335; Rufous-sided Towhee, **84**; Savannah Sparrow, 4; **Vesper Sparrow, 3** (W. B. C., W. S.); Slate-colored Junco, 896; **Oregon Junco, 1** (W. R.); Tree Sparrow, 524; **Chipping Sparrow, 1**; Field Sparrow, 44; White-throated Sparrow, **755**; Fox Sparrow, 18; Swamp Sparrow, 6; Song Sparrow, 204; Snow Bunting, 7. **Total,** 100 species (1 additional race); about 27,610 individuals. (Seen in area count period, but not on count day: Ruddy Duck.)—Mr. and Mrs. J. Alexander, R. Allen, Mrs. I. Behrendt, E. Blodgett, L. Bowen, L. Bradley, H. Bristow, S. Bristow, Mr. and Mrs. M. Brown, R. Burnap, J. Cannon, G. Carruth, Mrs. L. Chamberlain, Jr., R. Clement, H. Coombs, T. Coombs, W. B. Cook (compiler), Mrs. R. Craig, V. Cypher, J. Davis, W. Fennell, D. Fiero, G. Fiero, Jr., R. Fox, Mrs. W. Geis, Mrs. R. Gildersleeve, Mrs. E. Gilcrist, L. Grunebaum, G. Greenebaum, E. Hamann, R. Hamershlag, Mr. and Mrs. W. Harper, Jr., W. Hastings, D. Junkin, R. Kugel, E. Luhde, W. Lustberg, Elizabeth S. Manning, Mrs. M. Mathiessen, W. Meisenhelder, N. Miller, Mrs. W. Murphy, L. Nettleton, C. Norris, J. Norris, J. Parry, D. Patt, M. Payne, Mr. and Mrs. G. Peer, Mrs. E. Pickhardt, H. Reid, L. Reid, G. Rogin, F. Rose, W. Russell, Mr. and Mrs. J. Schmid, W. Scofield, A. Shuman, R. Schweitzer, W. Sefton, F. Sheppard, N. Schoumatoff, N. A. Schoumatoff, P. C. Spofford, J. Stahl, C. H. Stevens, M. Van Winkle, Jr., R. Worssam, V. Wystrach (Greenwich Audubon Society assisted by

Bedford, New Canaan, Sawmill River, Scarsdale and Westport Audubon Societies and Felt Nature Club).

65. Hartford, Conn. (all points within a 15-mile diameter circle, center Old State House).—Dec. 27; 6:30 a.m. to 5 p.m.; temp. 12° to 40°; wind SW, 10 m.p.h.; 1-in. snow on ground. Thirty-nine observers in 26 parties. Total party-hours, 133 (98 on foot, 35 by car); total party-miles, 608 (86 on foot, 522 by car). ► Mallard, 158; Black Duck, 352; Pintail, 1; Am. Widgeon, 4; Common Goldeneye, 4; Hooded Merganser, 2; Common Merganser, 84; **Turkey Vulture, 1** (seen well—P. I.); Goshawk, 1; Sharp-shinned Hawk, 3; Cooper's Hawk, 2; Red-tailed Hawk, 8; Red-shouldered Hawk, 16; Rough-legged Hawk, 1; Bald Eagle, 1; Marsh Hawk, 1; Sparrow Hawk, 31; Ruffed Grouse, 7; Ring-necked Pheasant, 61; Killdeer, 1; Common Snipe, 1; Great Black-backed Gull, 2; Herring Gull, 190; Ring-billed Gull, 27; Mourning Dove, 416; Barn Owl, 1; Screech Owl, 6; Great Horned Owl, 1; Long-eared Owl, 1; Short-eared Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 31; Pileated Woodpecker, 2; Hairy Woodpecker, 46; Downy Woodpecker, 152; Horned Lark, 198; Blue Jay, 522; Common Crow, 3678; Black-capped Chickadee, 382; Tufted Titmouse, 11; White-breasted Nuthatch, 75; Red-breasted Nuthatch, 1; Brown Creeper, 42; Winter Wren, 3; Carolina Wren, 2; **Mockingbird, 1**; Brown Thrasher, 1; Robin, 48; Hermit Thrush, 1; Eastern Bluebird, 34; Golden-crowned Kinglet, 33; Ruby-crowned Kinglet, 5; Cedar Waxwing, 42; Northern Shrike, 2; Loggerhead Shrike, 1; Starling, 5790; Myrtle Warbler, 104; House Sparrow, 1089; Eastern Meadowlark, 109; Redwinged Blackbird, 25; Common Grackle, 1; Brown-headed Cowbird, 963; Cardinal, 23; Dickcissel, 2; Evening Grosbeak, 46; Purple Finch, 84; Pine Siskin, 5; Am. Goldfinch, 266; Rufous-sided Towhee, 2; Savannah Sparrow, 9; Vesper Sparrow, 1; Slate-colored Junco, 953; Tree Sparrow, 2290; Field Sparrow, 40; White-throated Sparrow, 104; Fox Sparrow, 8; Swamp Sparrow, 14; Song Sparrow, 437; Lapland Longspur, 8; Snow Bunting, 2. **Total,** 80 species; about 19,076 individuals.—Mr. and Mrs. Herbert Austin, Mrs. Warren Ball, Mrs. Pauline Bartman, Mr. and Mrs. E. A. Bergstrom, Bartram Cadbury, Walter Charsky (compiler), Mrs. James Donohue, Percy E. Fellows, Douglas Fraser, Hollis French, Mrs. Leonard French, Mrs. Robert Goodell, Peter Isleib, Robert MacLachlan, James K. Meritt, Mrs. Thomas Rhines, Paul W. Schaefer, Victoria Schuetz, Mrs. Paul Twaddle, Lee J. Whittles (Hartford Bird Study Club).

66. Litchfield Hills, Conn. (all points within a 15-mile diameter circle, center top of Wheeler Hill north of Bantam Lake as in other years).—Dec. 21; 6 a.m. to 5 p.m. Few scattered clouds; temp. −10° to 30°; wind N to NW, 0-15 m.p.h.; small open areas in rivers, ground mostly bare, some old snow patches. Twenty-nine observers in 12 parties plus 9 observers at home feeders. Total party-hours, 83 (48 on foot, 35 by car); total party-miles, 416 (51 on foot, 365 by car). ► Mallard, 133; Black Duck, 15; Wood Duck, 3; Common Merganser, 2; Goshawk, 1; **Sharp-shinned Hawk, 1**; Cooper's Hawk, 1; Red-tailed Hawk, 4; Red-shouldered Hawk, 2; **Bald Eagle, 1**; **Sparrow Hawk, 1**; Ruffed Grouse, 39; Ring-necked Pheasant, 13; Turkey, 6 (introduced, doing well); **Am. Coot, 8** (2 parties); Mourning Dove, 11; Screech Owl, 3; Great Horned Owl, 2; Barred Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 2; **Pileated Woodpecker, 2**; Hairy Woodpecker, 28; Downy Woodpecker, 86; **Horned Lark, 40**; Blue Jay, 343; Common Crow, 187; Black-capped Chickadee, 472; **Boreal Chickadee, 1** (P. I.); Tufted Titmouse, 2; White-breasted Nuthatch, 94; **Red-breasted Nuthatch, 3**; Brown Creeper, 14; Winter Wren, 3; Catbird, 1; Robin, **126**; Hermit Thrush, 1; Eastern Bluebird, 7; Golden-crowned Kinglet, 25; Ruby-crowned Kinglet, 2; Cedar Waxwing, 74; Starling, 473; House Sparrow, 1009; Eastern Meadowlark, 28; **Rusty Blackbird, 1**; **Brown-headed Cowbird, 70**; Cardinal, 2; **Dickcissel, 1**; Evening Grosbeak, 280; Purple Finch, 46; Pine Grosbeak, 2; Pine Siskin, **507**; Am. Goldfinch, **232**; Rufous-sided Towhee, 2; Slate-colored Junco, 949; Tree Sparrow, 422; **Field Sparrow, 1**; White-throated Sparrow, 14; **Fox Sparrow, 19**; Song Sparrow, 20. **Total,** 60 species; about 5840 individuals.—W. C. Bader, Prof. and Mrs. Alfred R. Bellinger, Mr. and Mrs. Robert Bothroyd, Margery Boyd, Mrs. Emily Coe, Jean and Helene Dautrich, Prof. and Mrs. William H. Dunham, Lulu F. Hare, Woody Hartman, Sidney A. Hessel (compiler), Mrs. Kathryn B. Hubbard, Walter Hubbard, Jr., Lee W. Hughes, Jr., Peter M. Isleib, Mr. and Mrs. Samuel R. Lincoln, Gordon Loery, Mr. and Mrs. James S. Lott, Reginald and Frances Miles, Mrs. Roberta Ongley, Mr. and Mrs. Nellis F. Rood, Herbert S. Root, Mrs. A. S. Smith, Edmund K. Swigart, Dolf and Sigrid Swing, Mary P. Thompson, Mr. and Mrs. Ralph Wadhams, Helen Wersebe, Guy H. Whittall.

67. New Haven, Conn. (all points within a 15-mile diameter circle, center New Haven Green; L. I. Sound and shore 35%, upland woods 17%, bottomland woods 8%, fields and hedgerows 16%, marsh 16%, lakes 8%).—Dec. 27; 7 a.m. to 4:30 p.m. Clear; temp. 11° to 35°; wind W, 0-15 m.p.h.; lakes and ponds frozen over. Twelve observers in 5 parties. Total party-hours, 48 (20 on foot, 28 by car); total party-miles, 200 (25 on foot, 175 by car). ► Horned Grebe, 20; Great Blue Heron, 1; Black-crowned Night Heron, 1; Canada Goose, 7; Mallard, 5; Black Duck, 1000; Pintail, 4; Am. Widgeon, 50; Canvasback, 25; Greater Scaup, 500; Common Goldeneye, 250; Bufflehead, 80; White-winged Scoter, 12; Common Scoter, 1; Common Merganser, 8; Red-breasted Merganser, 15; Red-shouldered Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 3; Ring-necked Pheasant, 1; Killdeer, 2; Glaucous Gull, 1; Great Black-backed Gull, 40; Herring Gull, 1000+; Ring-billed Gull, 60; Bonaparte's Gull, 60; Mourning Dove, 7; Belted Kingfisher, 3; Yellow-shafted Flicker, 2; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 7; Blue Jay, 200; Common Crow, 100; Black-capped Chickadee, 60; Tufted Titmouse, 2;

White-breasted Nuthatch, 14; Brown Creeper, 1; Robin, 7; Eastern Bluebird, 15; Starling, 350; Myrtle Warbler, 3; House Sparrow, 100; Eastern Meadowlark, 10; Redwinged Blackbird, 3; Brown-headed Cowbird, 170; Cardinal, 6; Evening Grosbeak, 15; Purple Finch, 1; Am. Goldfinch, 26; Vesper Sparrow, 1; Slate-colored Junco, 65; Tree Sparrow, 8; Field Sparrow, 2; White-throated Sparrow, 5; Fox Sparrow, 2; Song Sparrow, 5. **Total,** 57 species; more than 4344 individuals.—Elisha Atkins, Franklin Farrel III, John Goetsch, C. MacFarlane, Mrs. R. B. Mack, Sidney Miller, Mrs. S. Miller, Christian Rendiero, William Stoddard (compiler), Mrs. W. Stoddard, Barry Ulman, Joseph Ulman.

68. **New London, Conn.** (all points within a 15-mile diameter circle, center at intersection of Gardner and Ocean Avenues, including L. I. Sound from Rocky Neck to Masons Island, Thames River north to Gales Ferry; shore and sound 45%, estuaries and bays 10%, marsh 2%, lakes 3%, deciduous woodland 15%, brushland 8%, fields 7%, suburban 10%, 8 feeding stations).—Dec. 27; 6 a.m. to 5 p.m. Partially cloudy; temp. 22° to 40°; wind SW, 5-15 m.p.h.; trace of snow on ground, fresh-water ponds frozen. Twenty-eight observers in 8 parties. Total party-hours, 52 (18 on foot, 34 by car); total party-miles, 168 (27 on foot, 141 by car). ► Common Loon, 12; Red-throated Loon, 6; **Red-necked Grebe, 1**; Horned Grebe, 279; Pied-billed Grebe, 4; Great Cormorant, 9; Double-crested Cormorant, 2; Great Blue Heron, 23; Black-crowned Night Heron, 4; **Am. Bittern, 1** (carefully identified); Mute Swan, 18; Brant, 8; Mallard, 419; Black Duck, 874; Pintail, 2; Green-winged Teal, 4; European Widgeon, **6**; Am. Widgeon, 62; Redhead, 8; Canvasback, 8; Greater Scaup, 789; Lesser Scaup, 365; Common Goldeneye, 434; Bufflehead, 30; Oldsquaw, 9; White-winged Scoter, 8; Surf Scoter, 1; Hooded Merganser, 30; Common Merganser, 105; Red-breasted Merganser, 453; Sharp-shinned Hawk, 2; Red-tailed Hawk, 3; Red-shouldered Hawk, 2; **Pigeon Hawk, 1** (present several days); Sparrow Hawk, 3; Ruffed Grouse, 1; Bobwhite, 25; Ring-necked Pheasant, 6; Am. Coot, 26; Killdeer, 6; Purple Sandpiper, 15; Dunlin, 1; Great Black-backed Gull, 54; Herring Gull, 1254; Ring-billed Gull, 147; Bonaparte's Gull, 14; Mourning Dove, 16; Barn Owl, 3; Screech Owl, 1; Great Horned Owl, 2; **Great Gray Owl, 1** (carefully identified within 25 feet—P. W.); Belted Kingfisher, 11; Yellow-shafted Flicker, 12; Hairy Woodpecker, 16; Downy Woodpecker, 43; **Tree Swallow, 2**; **Gray Jay, 1** (close range—P. W.); Blue Jay, 217; Common Crow, 83; Fish Crow, 10; Black-capped Chickadee, 283; Tufted Titmouse, 1; White-breasted Nuthatch, 34; Red-breasted Nuthatch, 4; Brown Creeper, 3; Winter Wren, 1; Carolina Wren, 14; Mockingbird, 1; Catbird, 7; Brown Thrasher, 3; Robin, 30; **Swainson's Thrush, 1** (all field marks checked—W. N. party); Eastern Bluebird, 18; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 1; Cedar Waxwing, 31; Starling, 2005; **Black-and-white Warbler, 1** (unmistakable—Mrs. F. E. party); Myrtle Warbler, 96; House Sparrow, 225; Eastern Meadowlark, 34; Redwinged Blackbird, 24; Rusty Blackbird, 3; Common Grackle, 369; Brown-headed Cowbird, 439; Cardinal, 8; Evening Grosbeak, 39; Purple Finch, 69; Pine Grosbeak, 2; Am. Goldfinch, 29; Rufous-sided Towhee, **47**; Savannah Sparrow, **50**; Vesper Sparrow, 3; Slate-colored Junco, 175; **Oregon Junco, 1** (at feeder for weeks); Tree Sparrow, 203; Field Sparrow, 35; White-crowned Sparrow, 1; White-throated Sparrow, 198; Fox Sparrow, 12; Swamp Sparrow, 2; Song Sparrow, 102; Snow Bunting, 14. **Total,** 103 species; about 10,572 individuals. (Seen in area count period, but not on count day: Common Eider, Ring-necked Duck, Marsh Hawk, Horned Lark, Water Pipit, Hermit Thrush, Lapland Longspur.)—Mildred Abbott, Mrs. Robert P. Anderson, Mr. and Mrs. Kenneth Bates, Mr. and Mrs. Thomas Bates, Grace Bissell, Mrs. Robert Bixler, Mrs. B. Dench, Robert Dwyer, Mrs. Frank Eastman, Mrs. Paul A. Garrett, Richard H. Goodwin (compiler), Robert F. Logan, Mrs. Malcolm MacGregor, Mrs. Franklin Maynard, Mrs. John Merrill, Mrs. John Meyers, Thomas Moran, Walter Moran, Mr. and Mrs. William A. Niering, Mrs. Frank Schubert, Paul H. Waldron, Mr. and Mrs. Donald Wallace, Nelson C. White, William L. Wylie.

69. **Oxford, Conn.** (all points within a 15-mile diameter circle; area covered from Housatonic River east thru Route 67, and from Oxford-Southbury town line south to Great Hill Road and Route 188; brushland 65%, woodland 10%, river shore 10%, open land 10%, suburban 5%).—Dec. 20; 6:55 a.m. to 4:30 p.m. Clear; temp. 24° to 5°; wind N, 20-35 m.p.h.; about 1-in. snow, ponds frozen, river partly open. One observer. Total hours, 9 (6 on foot, 3 by car); total miles, 40 (6 on foot, 34 by car). ► **Bald Eagle, 1**; Herring Gull, 3; Belted Kingfisher, 1; Yellow-shafted Flicker, 6; Hairy Woodpecker, 4; Downy Woodpecker, 8; Blue Jay, 49; Common Crow, 25; Black-capped Chickadee, 47; White-breasted Nuthatch, 6; Winter Wren, 2; Carolina Wren, 1; Robin, 31; Hermit Thrush, 1; Eastern Bluebird, 9; Golden-crowned Kinglet, 6; Cedar Waxwing, 65; Starling, 187; Myrtle Warbler, 109; House Sparrow, 10; Evening Grosbeak, 3; Purple Finch, 10; Am. Goldfinch, 2; Slate-colored Junco, 23; Tree Sparrow, 55; Field Sparrow, **24**; White-throated Sparrow, 16; Fox Sparrow, 1; Song Sparrow, 23. **Total,** 29 species; about 728 individuals.—Alfred P. Harger.

70. **Storrs, Conn.** (all points within a 15-mile diameter circle, center on Storrs Congregational Church; deciduous woodland 25%, coniferous woodland 10%, brushland 20%, fields and pastures 20%, suburban 10%, ponds and swamps 15%).—Dec. 20; 7 a.m. to 5 p.m. Clear; temp. 30° to 8°; wind N, 20-30 m.p.h.; 2-4-in. snow, ponds frozen. Twenty-four observers in 17 parties plus 6 feeding stations. Total party-hours, 77 (51 on foot, 26 by car); total party-miles, 236 (55 on foot, 181 by car). ► Black Duck, 1; Red-tailed Hawk, 9; Red-shouldered Hawk, 1; Sparrow Hawk, 2; Ruffed Grouse, 13; Ring-billed Gull, 1; Mourning Dove, 15; Yellow-shafted Flicker, 8; Hairy Woodpecker, 8; Downy Woodpecker, 52;

Horned Lark, 31; Blue Jay, 439; Common Crow, 213; Black-capped Chickadee, 439; White-breasted Nuthatch, 42; Red-breasted Nuthatch, 1; Brown Creeper, 7; Winter Wren, 1; Robin, 76; Hermit Thrush, 2; Eastern Bluebird, 27; Golden-crowned Kinglet, 20; Ruby-crowned Kinglet, 1; Cedar Waxwing, 29; Starling, 1386; Myrtle Warbler, 32; House Sparrow, 431; Eastern Meadowlark, 16; Redwinged Blackbird, 7; Common Grackle, 1; Brown-headed Cowbird, 273; Evening Grosbeak, 111; Purple Finch, 63; Am. Goldfinch, 136; Rufous-sided Towhee, 2; Slate-colored Junco, 612; Tree Sparrow, 363; Field Sparrow, 18; White-throated Sparrow, 45; Swamp Sparrow, 2; Song Sparrow, 28. **Total,** 41 species; about 4966 individuals. (Seen in area count period, but not on count day: Great Blue Heron, Cooper's Hawk, Ring-necked Pheasant, Killdeer, Herring Gull, Pileated Woodpecker, **Catbird,** Cardinal, Fox Sparrow, **Vesper Sparrow,** Lapland Longspur.)—Mrs. Arthur Bobb, Mrs. T. W. Chomiak, Mrs. Norman T. Davis (compiler), Mrs. Winthrop Hilding, Mary Hubbard, Mrs. Byron Janes, Marcel Kessel, B. O. Linnevold, Robert Lougee, Jerauld Manter, Richard M. May, Jr., Franklin McCamey, Charles McLaughlin, Mrs. Walter Meigs, Mrs. Samuel A. Morse, Mrs. G. H. Passmore, Walter Pudelkiewicz, John S. Rankin, Jr., James A. Slater, Roberta K. Smith, Herbert G. Tag, Mrs. Phillip Taylor, A. E. VanDusen, Hans Weber (Natchaug Ornithological Society).

71. Waterbury, Conn. (all points within a 15-mile diameter circle, center at Riverside Cemetery; park areas 25%, pastures 20%, woodland 10%, suburbs 45%).—Dec. 28; 8 a.m. to 4:30 p.m. Sunny; temp. 20° to 42°; wind N, 0-7 m.p.h.; ground mostly bare, 1-2-in. snow in brushy areas, brooks and ponds frozen. Twenty observers in 11 parties. Total party-hours, 33 (12 on foot, 16 by car, 5 observing feeding stations); total party-miles, 103 (18 on foot, 85 by car). ► Killdeer, 1; Herring Gull, 55; Mourning Dove, 9; Hairy Woodpecker, 12; Downy Woodpecker; 27; Blue Jay, 106; Common Crow, 569; Black-capped Chickadee, 111; White-breasted Nuthatch, 17; Red-breasted Nuthatch, 1; Brown Creeper, 2; Robin, 1; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 1; Cedar Waxwing, 50; Starling, 354; House Sparrow, 299; Eastern Meadowlark, 4; Cardinal, 2; Evening Grosbeak, 7; Purple Finch, 18; Pine Siskin, 4; Am. Goldfinch, 14; Rufous-sided Towhee, 1; Slate-colored Junco, 135; Tree Sparrow, 51; White-throated Sparrow, 44; Fox Sparrow, 2; Song Sparrow, 4. **Total,** 29 species; about 1904 individuals. (Seen in area count period, but not on count day: Baltimore Oriole.)—Agnes Archer, Mrs. Harold Baldwin, Walter Barrows, Mrs. C. L. Berger, Mrs. M. A. Broadhead, E. S Brown, Mildred Brown, Walter Green, Jean Grumman, Mrs. Howard Holton, Howard Holton, John Mariano, Mrs. P. E. Rice, P. E. Rice, J. H. Schmuck, E. Beverly Slack (compiler), Helen Stoddard, Mrs. C. B. Timberlake, George J. Vought, Mary Yanikuny (Waterbury Naturalist Club).

72. Westport, Conn. (all points within a 15-mile diameter circle, center on Twin Bridges, Route 57, 2 miles north of Westport; habitat percentages same as past years).—Dec. 21; 7:30 a.m. to 4:45 p.m. (1 observer from 12:01 a.m.). Clear; temp. 0° to 20°; wind NW, 0-20 m.p.h.; 1-in. crisp snow, waters frozen except small areas in large reservoirs. Forty-seven observers in 23 parties. Total party-hours, 119 (65 on foot, 54 by car); total party-miles, 504 (67 on foot, 437 by car). ► Common Loon, 1; Horned Grebe, 176; Great Cormorant, 6; Great Blue Heron, 8; Black-crowned Night Heron, 5; Mute Swan, 8; Canada Goose, 2; **Brant, 5**; Mallard, 1356; Black Duck, 2014; **Gadwall,** 1 (B. F., C. S.); Pintail, 2; Green-winged Teal, 2; Am. Widgeon, 75; Wood Duck, 7; Redhead, 1; Ring-necked Duck, 5; Canvasback, 12; Greater Scaup, 5562; Lesser Scaup, 6; Common Goldeneye, 64; Bufflehead, 103; Oldsquaw, 132; White-winged Scoter, 99; Surf Scoter, 45; Common Scoter, 4; Ruddy Duck, 2; Hooded Merganser, 7; Common Merganser, 32; Red-breasted Merganser, 17; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 14; Marsh Hawk, 2; Sparrow Hawk, 6; Ruffed Grouse, 2; Ring-necked Pheasant, 6; Clapper Rail, 3; Killdeer, 2; Black-bellied Plover, 3; Ruddy Turnstone, 2; Dunlin, 40; Great Black-backed Gull, 24; Herring Gull, 7354; Ring-billed Gull, 163; Laughing Gull, 1; Bonaparte's Gull, 44; Mourning Dove, 212; Screech Owl, 4; Great Horned Owl, 6; Barred Owl, 1; Saw-whet Owl, 1; Belted Kingfisher, 8; Yellow-shafted Flicker, 22; Pileated Woodpecker, 4; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 74; Downy Woodpecker, 188; **Eastern Phoebe, 1**; Horned Lark, 30; Blue Jay, 802; Common Crow, 934; Black-capped Chickadee, 1042; Tufted Titmouse, **191**; White-breasted Nuthatch, 185; Red-breasted Nuthatch, 4; Brown Creeper, 20; Winter Wren, 4; Carolina Wren, 11; **Mockingbird,** 1 (Fairfield Sanctuary—F. N.); Catbird, **8**; Brown Thrasher, 3; Robin, 266; Hermit Thrush, 4; Eastern Bluebird, 126; Golden-crowned Kinglet, 9; Ruby-crowned Kinglet, 3; Cedar Waxwing, 186; Starling, 1971; Myrtle Warbler, 95; House Sparrow, 658; Eastern Meadowlark, 174; Red-winged Blackbird, 29; Rusty Blackbird, 2; Common Grackle, 18; Brown-headed Cowbird, 556; Cardinal, **141**; Evening Grosbeak, 20; Purple Finch, 211; House Finch, 66; Pine Grosbeak, 2; Common Redpoll, 2; Pine Siskin, 42; Am. Goldfinch, 145; Rufous-sided Towhee, 57; Savannah Sparrow, 4; **Vesper Sparrow,** 1; Slate-colored Junco, 1177; **Oregon Junco,** 1; Tree Sparrow, 326; Chipping Sparrow, 6; Field Sparrow, 77; White-throated Sparrow, 482; Fox Sparrow, 65; Swamp Sparrow, 1; Song Sparrow, 193; Lapland Longspur, **18**; Snow Bunting, 59. **Total,** 109 species; about 28,372 individuals. (Seen in area count period, but not on count day: Pied-billed Grebe, Snowy Owl, White-crowned Sparrow.)—Mr. and Mrs. H. Achilles, Laura Allen, R. Barnett, C. Bartow, Mr. and Mrs. N. Beddall, Mrs. F. Bowes, R. Bowes, L. Bradley (compiler), Alice Bristow, Mr. and Mrs. M. Brown, Mrs. M. Bullard, A. Bullard, J. Clark, W. B. Cook, H. Coombs, L. Coombs, F. Dickenson, E. Eager, B. Ficke, Mr. and Mrs. J. Forbes, Mr. and Mrs. A. Foster, Mr. and Mrs. H. Gund, A. Harger, Martha Kline, R. Lemmon, H. Logan, C.

Maschel, Mrs. B. Mills, Mrs. W. Murphy, F. Novak, Mr. and Mrs. G. Peer, Mrs. E. Rover, M. Schwartz, C. Spofford, Mr. and Mrs. G. Stout, C. Sutherland, H. Sutherland, J. Young, G. Zepko (Westport Audubon Society, with co-operation of Connecticut Audubon Society and New Canaan Bird Protection Society).

73. **Atlantic Ocean off Long Island, N. Y.** (all points within a 15-mile diameter circle, center 13 miles south of Short Beach jetty; open ocean 100%). —Dec. 28; 8 a.m. to 3:45 p.m. Clear; temp. 26° to 39°; wind SW, 0-5 m.p.h.; ocean exceptionally calm. One observer. Total hours, 7¾ (by boat); total party-miles, 30 (by boat). ► Gannet, 2; Great Black-backed Gull, 59; Herring Gull, 243; Bonaparte's Gull, 7; Starling, 1 (10 miles from land). **Total,** 5 species; 312 individuals.—Richard Ryan.

74. **Brooklyn, L. I., N. Y.** (all points within a 15-mile diameter circle, center and habitat percentages same as in previous years).—Dec. 20; 7 a.m. to 5 p.m. Partly cloudy; temp. 21° to 25°; wind NW, 20-25 m.p.h.; fresh water, salt marshes and tidal inlets frozen. Twenty-three observers in 7 parties. Total party-hours, 100 (all on foot); total party-miles, 88 (all on foot). ► Common Loon, 3; Horned Grebe, 382; Pied-billed Grebe, 4; Great Cormorant, 1; Great Blue Heron, 3; Black-crowned Night Heron, 2; Am. Bittern, 2; Canada Goose, 113; Brant, 2000; Snow Goose, 1; Mallard, 15; Black Duck, 1930; Gadwall, 6; Pintail, 204; Am. Widgeon, 5522; Shoveler, 50; Redhead, 15; Canvasback, 448; Greater Scaup, 10,980; Lesser Scaup, 6; Common Goldeneye, 281; Bufflehead, 256; Oldsquaw, 10; White-winged Scoter, 935; Surf Scoter, 7; Common Scoter, 4; Ruddy Duck, 9; Hooded Merganser, 13; Common Merganser, 21; Red-breasted Merganser, 73; Marsh Hawk, 17; Pigeon Hawk, 1; Sparrow Hawk, 12; Ring-necked Pheasant, 8; Am. Coot, 32; Killdeer, 5; Black-bellied Plover, 15; Purple Sandpiper, 11; Dunlin, 328; Sanderling, 540; Glaucous Gull, 2; Iceland Gull, 1; Great Black-backed Gull, 687; Herring Gull, 13,500; Ring-billed Gull, 1641; Laughing Gull, 1; Bonaparte's Gull, 121; Black-legged Kittiwake, 2; Mourning Dove, 11; Screech Owl, 1; Short-eared Owl, 6; Belted Kingfisher, 3; Yellow-shafted Flicker, 3; Hairy Woodpecker, 3; Downy Woodpecker, 13; Horned Lark, 96; Blue Jay, 16; Common Crow, 15; Black-capped Chickadee, 1; White-breasted Nuthatch, 1; Long-billed Marsh Wren, 2; Mockingbird, 1; Robin, 21; Water Pipit, 11; Cedar Waxwing, 4; Starling, 27,000; Myrtle Warbler, 19; House Sparrow, 865; Eastern Meadowlark, 24; Redwinged Blackbird, 12; Baltimore Oriole, 1; Brown-headed Cowbird, 10; Cardinal, 4; Purple Finch, 4; House Finch, 70; Pine Siskin, 3; Am. Goldfinch, 10; Ipswich Sparrow, 3; Savannah Sparrow, 67; Sharp-tailed Sparrow, 1; Slate-colored Junco, 82; Tree Sparrow, 60; Chipping Sparrow, 1; Field Sparrow, 7; White-throated Sparrow, 64; Fox Sparrow, 49; Swamp Sparrow, 16; Song Sparrow, 91; Lapland Longspur, 3; Snow Bunting, 3. **Total,** 90 species; about 68,897 individuals. (Seen in area count period, but not on count day: Red-throated Loon, Black Skimmer, Red-breasted Nuthatch, Golden-crowned Kinglet.)—P. Buckley, Irving Cantor, M. Cashman, N. Ferster, M. Goldman, R. Guthrie, L. Horowitz, F. Horn, H. Johnson, K. Malone, M. Noyes, Mary Palmer, P. Post, O. Raymond, E. Restivo, Lillian Scher, H. Schiffer, N. Smith, P. Steineck, Esther Swayer, Mary Tremaine, E. Whelen (compiler), T. Zorach.

75. **Central Suffolk County, L. I., N. Y.** (all points within a 15-mile diameter circle, center southeast of Manorville; same area and coverage as preceding years; deciduous woods 15%, cultivated fields 10%, overgrown fields 15%, residential areas 15%, swamp and fresh water 20%, bay and salt marsh 15%, outer beach and ocean 10%).— Dec. 26; 6 a.m. to 5 p.m. Clear; temp. 13° to 28°; wind NW, 4-12 m.p.h.; ground partly covered with old snow, nearly all fresh water and most of salt-water bays frozen. Sixteen observers in 7 parties. Total party-hours, 71 (49 on foot, 21 by car, 1 by boat); total party-miles, 299 (51 on foot, 246 by car, 2 by boat). ► Common Loon, 2; Red-throated Loon, 1; Horned Grebe, 124; Pied-billed Grebe, 8; Great Blue Heron, 24; Black-crowned Night Heron, 11; Am. Bittern, 4; Mute Swan, **640**; Canada Goose, 29; Mallard, 222; Black Duck, 3880; Pintail, 67; Green-winged Teal, 10; Am. Widgeon, 456; Redhead, 62; Ring-necked Duck, 11; Canvasback, 30; Greater Scaup, 2102; Lesser Scaup, 18; Common Goldeneye, 39; Bufflehead, 6; White-winged Scoter, 21; Surf Scoter, 1; Common Scoter, 16; Ruddy Duck, 1; Hooded Merganser, 9; Common Merganser, 16; Red-breasted Merganser, 91; Red-tailed Hawk, 2; Rough-legged Hawk, 3; **Golden Eagle, 1** (carefully identified—G. S. R.); Bald Eagle, 1; Sparrow Hawk, 10; Ruffed Grouse, 1; Bobwhite, 56; Ring-necked Pheasant, 20; Clapper Rail, 1; Virginia Rail, 3; Am. Coot, 149; Killdeer, 5; Am. Woodcock, 1; Common Snipe, 11; Dunlin, 50; Sanderling, 84; Great Black-backed Gull, 189; Herring Gull, 3398; Ring-billed Gull, 201; Mourning Dove, 38; Great Horned Owl, 1; Short-eared Owl, 1; Belted Kingfisher, 7; Yellow-shafted Flicker, 18; Hairy Woodpecker, 5; Downy Woodpecker, 19; Horned Lark, 78; Blue Jay, 218; Common Crow, 114; Black-capped Chickadee, 128; White-breasted Nuthatch, 8; Carolina Wren, 1; Long-billed Marsh Wren, 6; **Mockingbird,** 1; Catbird, 3; Brown Thrasher, 2; Robin, 25; Hermit Thrush, 1; Golden-crowned Kinglet, 7; Ruby-crowned Kinglet, 3; Cedar Waxwing, 11; Starling, 3656; Myrtle Warbler, 35; House Sparrow, 382; Eastern Meadowlark, 78; Red-winged Blackbird, 26; Rusty Blackbird, 8; Common Grackle, 372; Brown-headed Cowbird, 69; Cardinal, 7; Evening Grosbeak, 2; Purple Finch, 22; Am. Goldfinch, 20; Rufous-sided Towhee, 5; Ipswich Sparrow, 1; Savannah Sparrow, 3; Sharp-tailed Sparrow, 1; Seaside Sparrow, 1; Vesper Sparrow, 17; Slate-colored Junco, 89; Tree Sparrow, 207; Field Sparrow, 4; White-throated Sparrow, 101; Fox Sparrow, 21; Swamp Sparrow, 19; Song Sparrow, 126. **Total,** 95 species; about 18,061 individuals. (Seen in area count period, but not on count day: Dovekie.)—Arthur Cooley, Harold Evans, James Evans, Michael Ince, Eva Lukert, W. F. Nichols, Ruth Porter, Dennis

Puleston, Jennifer Puleston, Peter Puleston, Gilbert S. Raynor (compiler), Paul Stoutenburg, Walter Terry, Stephen Tigner, David L. Weld, Leroy Wilcox.

76. Montauk, L. I., N. Y. (all points within a 15-mile diameter circle, center on Fort Point, including Acabonack Harbor, Fresh Pond and Beach Hampton east to Montauk Point; open ocean 10%, ocean beach and dunes 45%, salt marsh 5%, disturbance areas 10%, farmland 15%, deciduous woodland 15%).—Dec. 27; 5:30 a.m. to 5 p.m. Fair; temp. 28° to 35°; wind SW, 10-15 m.p.h.; some old snow, fresh water frozen. Twenty-three observers in 6 parties. Total party-hours, 65 (45 on foot, 12 by car, 8 by boat); total party-miles, 320 (30 on foot, 275 by car, 15 by boat). ► Common Loon, 185; Red-throated Loon, 144; Red-necked Grebe, 5; Horned Grebe, 196; Gannet, 8; Great Cormorant, 13; Great Blue Heron, 2; Black-crowned Night Heron, 1; Mallard, 1; Black Duck, 37; Am. Widgeon, 2; Greater Scaup, 658; Common Goldeneye, 474; Bufflehead, **869**; Oldsquaw, 1953; **Harlequin Duck, 2** (drakes); Common Eider, **21**; King Eider, 7; White-winged Scoter, 4165; Surf Scoter, 1027; Common Scoter, 80; Common Merganser, 2; Red-breasted Merganser, 343; Cooper's Hawk, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 1; Marsh Hawk, 3; Sparrow Hawk, 9; Ruffed Grouse, 1; Bobwhite, 7; Ring-necked Pheasant, 3; Killdeer, 2; Black-bellied Plover, 1; Common Snipe, 1; Purple Sandpiper, 3; Sanderling, 1; Iceland Gull, 2; Great Black-backed Gull, 142; Herring Gull, 2290; Ring-billed Gull, 152; Laughing Gull, 1; Bonaparte's Gull, 1760; Black-legged Kittiwake, 9; Razorbill, 9; **Common Murre, 1** (carefully identified—R. R.); **Thick-billed Murre, 4** (R. R.); Dovekie, 8 (one captured alive); Mourning Dove, 5; Barn Owl, 2; Screech Owl, 4; Long-eared Owl, 1; Short-eared Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 41; Downy Woodpecker, 10; Horned Lark, 13; Blue Jay, 31; Common Crow, 53; Black-capped Chickadee, 66; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 4; Winter Wren, 2; Mockingbird, 1; Catbird, 9; Brown Thrasher, 4; Robin, 32; Hermit Thrush, 2; Water Pipit, 2; Cedar Waxwing, 8; Northern Shrike, 2; Starling, 1465; Myrtle Warbler, 530; House Sparrow, 161; Eastern Meadowlark, 18; Redwinged Blackbird, 18; **Bullock's Oriole, 1** (carefully identified by 3 observers); Common Grackle, 1; Brown-headed Cowbird, 40; Cardinal, 1; Purple Finch, 7; House Finch, 6; Am. Goldfinch, 17; Rufous-sided Towhee, 3; Savannah Sparrow, 7; Vesper Sparrow, 1; Slate-colored Junco, 28; Tree Sparrow, 92; Field Sparrow, 6; **White-crowned Sparrow, 1**; White-throated Sparrow, 36; Fox Sparrow, 15; Swamp Sparrow, 4; Song Sparrow, 47; Snow Bunting, 68. **Total,** 94 species; about 17,478 individuals. [Excellent details submitted for all unusual observations—Ed.]—N. R. Boyajian (compiler), P. A. Buckley, Irving Cantor, D. Futuyma, J. Harte, J. Horowitz, Julius Keil, Jeddu Keil, W. Listman, K. Malone, C. McKeever, T. Morgan, D. Peakall, P. Post, E. Restivo, R. Ryan, F. Scheider, K. Scully, N. Smith, P. Steineck, L. Schwartzman, J. Wallman, T. Zorach.

77. Northern Nassau County, L. I., N. Y. (all points within a 15-mile diameter circle, center Matinecock as in previous counts).—Dec. 28; 6 a.m. to 4:30 p.m. Fair; temp. 33° to 49°; wind E, 5 m.p.h.; ponds almost entirely frozen, considerable ice in bays. Twenty-six observers in 8 parties (20 observers at feeding stations). Total party-hours, 61 (34 on foot, 27 by car); total party-miles, 370 (58 on foot, 312 by car). ► Red-throated Loon, 1; Horned Grebe, 146; Great Cormorant, 12; Great Blue Heron, 5; Black-crowned Night Heron, 3; Mute Swan, 29; Canada Goose, 24; Mallard, 317; Black Duck, 700; Gadwall, 2; Pintail, 1; Green-winged Teal, 8; Am. Widgeon, 21; Shoveler, 2; Wood Duck, 1; Canvasback, 92; Greater Scaup, 6840; Lesser Scaup, 15; Common Goldeneye, 816; Bufflehead, 4; Oldsquaw, 195; White-winged Scoter, 1040; Surf Scoter, 200; Common Scoter, 1; Ruddy Duck, 1; Hooded Merganser, 10; Common Merganser, 3; Red-breasted Merganser, 87; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 9; Sparrow Hawk, 8; Ring-necked Pheasant, 19; Clapper Rail, 9; Am. Coot, 3; Killdeer, 1; Sanderling, 6; Great Black-backed Gull, 55; Herring Gull, 1500; Ring-billed Gull, 285; Mourning Dove, 96; Screech Owl, 1; Belted Kingfisher, 9; Yellow-shafted Flicker, 28; Hairy Woodpecker, 9; Downy Woodpecker, 59; Horned Lark, 110; Blue Jay, 240; Common Crow, 1220; Fish Crow, 8; Black-capped Chickadee, 163; White-breasted Nuthatch, 34; Red-breasted Nuthatch, 2; Brown Creeper, 2; Carolina Wren, 4; **Mockingbird,** 1; Catbird, 5; Brown Thrasher, 1; Robin, 220; Hermit Thrush, 3; Eastern Bluebird, 7; Golden-crowned Kinglet, 7; Water Pipit, 1; Cedar Waxwing, 7; Starling, 1775; Myrtle Warbler, 31; House Sparrow, 264; Eastern Meadowlark, 20; Redwinged Blackbird, 75; Rusty Blackbird, 107; Common Grackle, 1; Brown-headed Cowbird, 193; Cardinal, 42; Purple Finch, 119; House Finch, 55; Pine Siskin, 2; Am. Goldfinch, 76; Rufous-sided Towhee, 3; Savannah Sparrow, 5; Sharp-tailed Sparrow, 1; Vesper Sparrow, 10; Slate-colored Junco, 300; Tree Sparrow, 190; Field Sparrow, 11; White-throated Sparrow, 375; Fox Sparrow, 12; Swamp Sparrow, 11; Song Sparrow, 266; Snow Bunting, 18. **Total,** 89 species; about 18,672 individuals.—Karl Arbo, William O. Astle, M. Ella Brown, Robert Califf, Joseph M. Califf, James M. Callaghan, George Clark, Elizabeth Coxe, Aline Dove, Orville M. Dunning (compiler), Elsie T. Fruson, George P. Fruson, Paul H. Gillen, Jr., Elsie Klein, Jill Lamoureux, William Larrabee, Alvin J. May, Elisa Proly, Weld Richardson, John T. Ricks, Richard Sala, Erwin Streisinger, Jacqueline Streisinger, Hazel Sullivan, James R. Waite, Peter P. Wickham, Elizabeth Worley.

78. Orient, L. I., N. Y. (all points within a 15-mile diameter circle, center as formerly described).—Dec. 27; 7:55 a.m. to 4:30 p.m.; temp. 26° to 35°; wind NW, light. Five observers in 2 parties. Total party-hours, 16 (13 on foot, 3 by car); total party-miles, 45 (15 on foot, 30 by car). ► Common Loon, 16; Red-throated Loon, 5; Red-necked Grebe, 2; Horned Grebe, 58; Gannet, 1; Great Cormorant, 1;

Black Duck, 28; Greater Scaup, 692; Lesser Scaup, 3; Common Goldeneye, 189; Bufflehead, 18; Oldsquaw, 294; White-winged Scoter, 310; Surf Scoter, 24; Common Scoter, 23; Red-breasted Merganser, 26; Sparrow Hawk, 6; Ring-necked Pheasant, 24; Great Black-backed Gull, 51; Herring Gull, 600; Ring-billed Gull, 26; Bonaparte's Gull, 6; Short-eared Owl, 1; Yellow-shafted Flicker, 4; Hairy Woodpecker, 2; Downy Woodpecker, 6; Horned Lark, 56; Blue Jay, 38; Common Crow, 17; Black-capped Chickadee, 20; Red-breasted Nuthatch, 4; Carolina Wren, 1; Robin, 3; Starling, 100+; Myrtle Warbler, 30; House Sparrow, 240+; Eastern Meadowlark, 15; Redwinged Blackbird, 1; Purple Finch, 3; Am. Goldfinch, 18; Rufous-sided Towhee, 1; Slate-colored Junco, 49; Tree Sparrow, 8; Field Sparrow, 2; White-throated Sparrow, 45; Swamp Sparrow, 1; Song Sparrow, 82. **Total,** 46 species; about 3150 individuals.—K. Cooper, R. E. Harrison, R. McAdoo, R. S. Mathews (compiler), Muriel Taylor.

79. Quogue to Watermill, L. I., N. Y. (all points within a 15-mile diameter circle, center same as in previous years).—Dec. 31; 7 a.m. to 5 p.m. Clear; temp. 24° to 26°; wind N, 10-20 m.p.h. Two observers in 1 party. Total party-hours, 20 (2 on foot, 18 by car); total party-miles, 97 (2 on foot, 95 by car). ► Common Loon, 2; Horned Grebe, 48; Great Blue Heron, 1; Black-crowned Night Heron, 1; Am. Bittern, 1; Mute Swan, 26; Canada Goose, 380; Snow Goose, 1; Mallard, 56; Black Duck, 150; Am. Widgeon, 3; Canvasback, 40; Greater Scaup, 575; Common Goldeneye, 9; Bufflehead, 40; Oldsquaw, 2; White-winged Scoter, 1; Surf Scoter, 3; Red-breasted Merganser, 3; Sharp-shinned Hawk, 1; Sparrow Hawk, 2; Ring-necked Pheasant, 9; Am. Coot, 3; Killdeer, 1; Common Snipe, 3; Dunlin, 2; Sanderling, 50; Great Black-backed Gull, 45; Herring Gull, 1500; Ring-billed Gull, 66; Bonaparte's Gull, 2; Mourning Dove, 2; Barn Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Downy Woodpecker, 2; Horned Lark, 3; Blue Jay, 1; Common Crow, 15; Black-capped Chickadee, 23; Mockingbird, 2; Catbird, 1; Robin, 2; Starling, 2000; Myrtle Warbler, 5; House Sparrow, 60; Eastern Meadowlark, 2; Redwinged Blackbird, 1; Common Grackle, 2; Brown-headed Cowbird, 4; Purple Finch, 3; Am. Goldfinch, 2; Slate-colored Junco, 5; Tree Sparrow, 12; Field Sparrow, 2; White-throated Sparrow, 13; Fox Sparrow, 11; Song Sparrow, 10. **Total,** 58 species; about 5212 individuals.—Walter Terry, LeRoy Wilcox (compiler).

80. Smithtown, L. I., N. Y. (all points within a 15-mile diameter circle, center in Smithtown, including Nissequogue River area, Long Island Sound shore from Short Beach to Long Beach, Old Field Point, St. James and Stony Brook Harbors, Mt. Sinai; pastures 20%, deciduous farm woods 50%, salt marsh 25%, pine groves 5%).—Dec. 27; 4:30 a.m. to 5 p.m. Clear; temp. 16° to 40°; wind NW, 5-15 m.p.h.; ponds and inland marshes frozen. Four observers in 4 parties. Total party-hours, 50 (30 on foot, 20 by car); total party-miles, 194 (40 on foot, 154 by car). ► Common Loon, 9; Horned Grebe, 31; Pied-billed Grebe, 1; Great Blue Heron, 4; Black-crowned Night Heron, 11; Mute Swan, 8; Canada Goose, 12; Mallard, 50; Black Duck, 900; Pintail, 8; Green-winged Teal, 1; Am. Widgeon, 35; Greater Scaup, 44; Common Goldeneye, 107; Bufflehead, 20; Oldsquaw, 75; White-winged Scoter, 360; Surf Scoter, 28; Hooded Merganser, 1; Red-breasted Merganser, 30; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 1; Bobwhite, 18; Ring-necked Pheasant, 9; Clapper Rail, 1; Am. Coot, 4; Common Snipe, 2; Greater Yellowlegs, 1; Great Black-backed Gull, 35; Herring Gull, 1600; Ring-billed Gull, 750; Mourning Dove, 42; Screech Owl, 4; Long-eared Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 7; Hairy Woodpecker, 4; Downy Woodpecker, 16; Horned Lark, 14; Blue Jay, 150; Common Crow, 61; Fish Crow, 3; Black-capped Chickadee, 19; White-breasted Nuthatch, 13; Brown Creeper, 1; Winter Wren, 2; Carolina Wren, 7; Catbird, 5; Robin, 79; Golden-crowned Kinglet, 3; Cedar Waxwing, 2; Starling, 190; Myrtle Warbler, 4; House Sparrow, 75; Eastern Meadowlark, 9; Rusty Blackbird, 5; Cardinal, 7; Purple Finch, 15; Pine Siskin, 19; Am. Goldfinch, 11; **Rufous-sided Towhee,** 1; Slate-colored Junco, 20; Tree Sparrow, 52; Field Sparrow, 1; White-throated Sparrow, 182; Fox Sparrow, 4; Swamp Sparrow, 5; Song Sparrow, 48. **Total,** 70 species; about 5243 individuals.—James Grier Ralston (compiler), Robert Ralston, Walton Sabin, Allan L. Walker.

81. Southern Nassau County, L. I., N. Y. (all points within a 15-mile diameter circle, center in Baldwin Bay; Atlantic Beach to Jones Beach, north to Garden City and East Meadow; area extends 5 miles into ocean off Jones Inlet; parks and suburban area 40%, beaches and bays 30%, ocean 30%).—Dec. 28; 6 a.m. to 5 p.m. Generally clear; temp. 32° to 49°; wind W to NW to NE, 5 m.p.h. Thirty observers in 9 parties. Total party-hours, 95 (75 on foot, 20 by car); total party-miles, 250 (100 on foot, 150 by car). ► Common Loon, 15; Red-throated Loon, 13; Red-necked Grebe, 1; Horned Grebe, **689**; Pied-billed Grebe, 4; Gannet, 4; Great Blue Heron, 46; **Common Egret,** 1; Black-crowned Night Heron, 41; Am. Bittern, 3; Mute Swan, 24; Canada Goose, 1; Brant, 12,130; **Snow Goose,** 1 (3 experienced observers); Mallard, **793**; Black Duck, 2717; Gadwall, 23; Pintail, 171; Green-winged Teal, 64; Am. Widgeon, 592; Shoveler, 46; Redhead, 6; Ring-necked Duck, 9; Canvasback, 150; Greater Scaup, 1386; Lesser Scaup, 1; Common Goldeneye, 40; Bufflehead, 55; Oldsquaw, 13; **Common Eider,** 1; **King Eider,** 1; White-winged Scoter, 3145; Surf Scoter, 98; Common Scoter, 23; Ruddy Duck, 5; Hooded Merganser, 28; Common Merganser, 18; Red-breasted Merganser, 723; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Marsh Hawk, 10; Sparrow Hawk, 13; Bobwhite, 2; Ring-necked Pheasant, 13; Clapper Rail, 14; Am. Coot, 42; Killdeer, 14; Black-bellied Plover, 18; Common Snipe, 8; Greater Yellowlegs, 1; **Knot,** 4; Purple Sandpiper, 52; Dunlin, **382**; Sanderling, 201; Glaucous Gull, 1; Great Black-backed Gull, 697;

Herring Gull, 12,000; Ring-billed Gull, 773; Bonaparte's Gull, 39; Black-legged Kittiwake, 3; Razorbill, 4; **Caspian Tern, 1** (200 ft. off boat—R. R.); Dovekie, 1; Mourning Dove, **291**; Screech Owl, 1; Long-eared Owl, 2; Short-eared Owl, 3; Belted Kingfisher, 5; Yellow-shafted Flicker, 32; Hairy Woodpecker, 1; Downy Woodpecker, **39**; Horned Lark, 298 (12 Prairie); Blue Jay, 157; Common Crow, 138; Fish Crow, 2; Black-capped Chickadee, 34; Red-breasted Nuthatch, 14; Brown Creeper, 1; **House Wren, 1** (carefully identified—P. B.); Carolina Wren, 1; Long-billed Marsh Wren, 1; Mockingbird, 1; Catbird, 6; Brown Thrasher, 3; Robin, **58**; Hermit Thrush, 3; Water Pipit, 1; Cedar Waxwing, 20; shrike (sp.), 1; Starling, 4578; Orange-crowned Warbler, 1; Myrtle Warbler, 422; Yellowthroat, 1; House Sparrow, 730; Eastern Meadowlark, 75; Redwinged Blackbird, 519; Common Grackle, **80**; Brown-headed Cowbird, **1713**; Cardinal, **16**; Purple Finch, 3; House Finch, 83; Pine Siskin, 3; Am. Goldfinch, 141; Rufous-sided Towhee, 3; Ipswich Sparrow, 1; Savannah Sparrow, **138**; Sharp-tailed Sparrow, 7; Seaside Sparrow, 4; Vesper Sparrow, 1; Slate-colored Junco, **524**; Tree Sparrow, 568; Field Sparrow, 72; White-throated Sparrow, **530**; Fox Sparrow, 94; Swamp Sparrow, 29; Song Sparrow, 483; Lapland Longspur, 1; Snow Bunting, 134. **Total,** 118 species (1 additional race); about 49,445 individuals. (Seen in area count period, but not on count day: Barn Owl, Saw-whet Owl, Golden-crowned Kinglet.)—Irwin Alperin, Benjamin Berliner, Mrs. Benjamin Berliner, Ned Boyajian, Paul Buckley, John Bull, Irving Cantor, Geoffrey Carleton, Kenneth Cooper, Adrian Dignan, Eugene Eisenmann, John Elliott, Daniel Guthrie, Harry Darrow, Richard Harrison, Helen Hirschbein, Peter Kirk, Emanuel Levine, Locke Mackenzie, William Norse, Alan Penberthy, Roger Preisick, Richard Ryan, Walter Sedwitz, Richard Sloss (compiler), Mrs. Richard Sloss, Mrs. Harold Taylor, Edward Treacy, Cornelius Ward, Tim Zorach.

82. Binghamton, N. Y. (all points within a 15-mile diameter circle, center ½ mile south of East Maine as in previous years).—Dec. 28; 5:15 a.m. to 5 p.m. Scattered clouds; temp. 27° to 41°; wind ESE, 6 m.p.h.; 3-in. snow on ground, water areas mostly frozen. Fourteen observers in 6 parties. Total party-hours, 76 (25 on foot, 51 by car); total party-miles, 457 (45 on foot, 412 by car). ► Mallard, 10; Black Duck, 81; **Wood Duck, 1**; Common Merganser, 10; Sharp-shinned Hawk, 1; Sparrow Hawk, 7; Ruffed Grouse, 12; Ring-necked Pheasant, 13; Herring Gull, 48; Screech Owl, 2; Great Horned Owl, 3; Belted Kingfisher, 1; Yellow-shafted Flicker, 4; Pileated Woodpecker, 4; Hairy Woodpecker, 17; Downy Woodpecker, 48; Blue Jay, 299; Common Crow, 409; Black-capped Chickadee, 459; White-breasted Nuthatch, 60; Red-breasted Nuthatch, 3; Brown Creeper, 8; Winter Wren, 1; Robin, 1; Golden-crowned Kinglet, 13; **Ruby-crowned Kinglet, 1**; Cedar Waxwing, 76; Starling, 1818; House Sparrow, 1255; Common Grackle, 2; Cardinal, 34; Evening Grosbeak, 14; Purple Finch, 13; Pine Siskin, 5; Am. Goldfinch, 351; Slate-colored Junco, 62; Tree Sparrow, 227; White-throated Sparrow, 1; **Fox Sparrow, 1**; Song Sparrow, 9. **Total,** 40 species; about 5384 individuals. (Seen in area count period, but not on count day: Brown-headed Cowbird.)—L. E. Bemont (compiler), T. Buckley, W. Corderman, T. Greene, R. Hock, Gail Marsi, Mrs. F. Marsi, Clara Morehouse, R. Saunders, Mr. and Mrs. R. P. Sheffield, Anna Topping, Dr. and Mrs. N. R. Washburn.

83. Bronx–Westchester Region, N. Y. (all points within a 15-mile diameter circle, center New Rochelle as in previous years).—Dec. 21; 5 a.m. to 6 p.m. Fair; temp. 15° to 27°; wind NW, 5-15 m.p.h.; scattered patches of snow, fresh water and marshes mostly frozen. Thirty-seven observers in 10 parties. Total party-hours, 90 (60 on foot, 30 by car); total party-miles, 100 (66 on foot, 34 by car). ► Horned Grebe, 85; Great Cormorant, 6; Great Blue Heron, 18; Black-crowned Night Heron, 9; Mute Swan, 7; Canada Goose, 186; Mallard, 420; Black Duck, 2400; Pintail, 4; Green-winged Teal, 3; Am. Widgeon, 100; **Shoveler, 2**; Wood Duck, 4; Ring-necked Duck, 1; Canvasback, 2690; Greater Scaup, 5650; Lesser Scaup, **18**; Common Goldeneye, 205; Bufflehead, 175; Oldsquaw, 14; White-winged Scoter, 15; Ruddy Duck, 170; Hooded Merganser, 23; Common Merganser, 58; Red-breasted Merganser, 54; Cooper's Hawk, 1; Red-tailed Hawk, 10; Red-shouldered Hawk, 4; Marsh Hawk, **5**; Sparrow Hawk, 14; Ring-necked Pheasant, 80; Clapper Rail, 1; Virginia Rail, 2; Am. Coot, 1; Killdeer, 23; **Am. Woodcock, 1**; Common Snipe, 5; Greater Yellowlegs, 1; Great Black-backed Gull, **320**; Herring Gull, 11,000; Ring-billed Gull, 138; Laughing Gull, 1; Mourning Dove, 62; Screech Owl, 4; Great Horned Owl, 1; Long-eared Owl, 4; Belted Kingfisher, 2; Yellow-shafted Flicker, 6; Hairy Woodpecker, 23; Downy Woodpecker, 76; Horned Lark, **58**; Blue Jay, 249; Common Crow, 119; Fish Crow, 3; Black-capped Chickadee, 59; Tufted Titmouse, 10; White-breasted Nuthatch, 25; Brown Creeper, 3; Winter Wren, 1; Carolina Wren, 1; Long-billed Marsh Wren, 1; Catbird, 2; Brown Thrasher, **4**; Robin, **146**; Eastern Bluebird, 5; Golden-crowned Kinglet, 1; Water Pipit, 2; Cedar Waxwing, 6; **Northern Shrike, 1** (I. C., P. P.); **Loggerhead Shrike, 2** (carefully identified—I. C., P. P.); Starling, 3075; Myrtle Warbler, 30; House Sparrow, 700; Eastern Meadowlark, 60; Redwinged Blackbird, 125; Rusty Blackbird, 6; Common Grackle, 7; Brown-headed Cowbird, 335; Cardinal, 45; Evening Grosbeak, 1; Purple Finch, 11; House Finch, 21; Am. Goldfinch, 120; Rufous-sided Towhee, 10 (**1 Spotted,** later collected); Savannah Sparrow, 28; **Sharp-tailed Sparrow, 2**; Slate-colored Junco, 510; Tree Sparrow, 350; Field Sparrow, 77; White-throated Sparrow, 425; Fox Sparrow, 47; Swamp Sparrow, 49; Song Sparrow, 225. **Total,** 93 species (1 additional race); about 31,059 individuals. (Seen in area count period, but not on count day: Bald Eagle, Short-eared Owl, Red-breasted Nuthatch.)—Paul A. Buckley, John L. Bull, Mrs. Gilbert Cant, Irving Cantor (compiler), Harry Darrow, Eugene Eisenmann, Mrs. M. Heffron, Joseph

Horowitz, Klaus D. Kallman, Richard Kane, George Komorowski, Jerome Maisel, Herman Meyerdierks, Thomas N. Morgan, William J. Norse, Peter W. Post, Walter Sedwitz, Richard A. Sloss, Esther Swayer, Joshua Wallman, Joel Weintraub, Edward Whelen, Charles F. J. Young, Tim Zorach.

84. **Buffalo, N. Y.** (all points within a 15-mile diameter circle, centering on Grand Island as in previous years; open farmland 39%, deciduous woodlots 15%, parks 7%, Niagara River 20%, cattail marsh 1%, suburban and factory area 18%).—Dec. 22; 7 a.m. to 6 p.m. Clear, broken by snow squalls; temp. 7° to 12°; wind N, 4-16 m.p.h.; snow on ground, ice on Niagara River. Thirty-four observers in 14 parties. Total party-hours, 88 (37 on foot, 51 by car); total party-miles, 460 (43 on foot, 417 by car). ► Black-crowned Night Heron, 5; Mallard, 295; Black Duck, 771; Pintail, 17; Green-winged Teal, 1; Am. Widgeon, 1; Redhead, 1; Canvasback, 4914; Greater Scaup, 970; Lesser Scaup, 7; Common Goldeneye, 4024; Bufflehead, 270; Oldsquaw, 6; Common Scoter, 1; Common Merganser, 2336; Red-breasted Merganser, 280; Red-tailed Hawk, 24; Rough-legged Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 31; Ring-necked Pheasant, 81; Glaucous Gull, 2; Great Black-backed Gull, 49; Herring Gull, 5699; Ring-billed Gull, 1192; Mourning Dove, 22; Screech Owl, 3; Short-eared Owl, 10; Belted Kingfisher, 1; Yellow-shafted Flicker, 3; Hairy Woodpecker, 11; Downy Woodpecker, 43; Blue Jay, 61; Common Crow, 89; Black-capped Chickadee, 95; White-breasted Nuthatch, 8; Brown Creeper, 25; Winter Wren, 1; Robin, 5; Golden-crowned Kinglet, 15; Northern Shrike, 2; Starling, 14,757; Myrtle Warbler, 1; House Sparrow, 1644; Eastern Meadowlark, 2; Cardinal, 18; Am. Goldfinch, 46; Slate-colored Junco, 74; Tree Sparrow, 534; White-throated Sparrow, 1; Song Sparrow, 10; Snow Bunting, 202. **Total,** 52 species; about 38,663 individuals. (Seen in area count period, but not on count day: Canada Goose.) —Robert F. Andrle, Harold H. Axtell, Rachel C. Axtell, Mrs. John E. Bacon, James Braunberns, Winston W. Brockner (compiler), Arthur Clark, Mrs. Helen Creighton, Mrs. Martin Dietrich, Marjorie Emerson, Mary Louise Emerson, Arthur F. Freitag, Fred T. Hall, Walter Klabunde, Mrs. Walter Klabunde, Mrs. Mercedith Lovelace, Mrs. Leroy Melberg, Harold D. Mitchell, Bernard Nathan, Richard C. Rosche, Mrs. Mark J. Samuels, Edward L. Seeber, Joseph F. Thill, Lena Turner, Mrs. Edward C. Ulrich, Gertrude Webster, Margaret Wendling, Marie Wendling.

85. **Chatham, N. Y.** (all points within a 15-mile diameter circle, center same as last year).—Dec. 27; 7:30 a.m. to 5 p.m. Clear; temp. 0° to 32°; wind variable, 0-5 m.p.h.; streams and ponds frozen, ground bare. Ten observers in 4 parties, plus 3 at feeding stations. Total party-hours, 24 (10 on foot, 14 by car); total party-miles, 127 (19 on foot, 108 by car). ► Mallard, 1; Black Duck, 8; Red-breasted Merganser, 6; Cooper's Hawk, 1; Red-tailed Hawk, 6; Marsh Hawk, 1; Sparrow Hawk, 1; Ruffed Grouse, 3; Ring-necked Pheasant, 1; Ring-billed Gull, 1; Mourning Dove, 1; Yellow-shafted Flicker, 4; Pileated Woodpecker, 2; Hairy Woodpecker, 22; Downy Woodpecker, 39; Horned Lark, 20; Blue Jay, 47; Common Crow, 106; Black-capped Chickadee, 171+; White-breasted Nuthatch, 22; Brown Creeper, 9; Winter Wren, 1; Robin, 2; Golden-crowned Kinglet, 3; Cedar Waxwing, 6; Starling, 600+; House Sparrow, 200+; Evening Grosbeak, 50; Purple Finch, 13; Pine Grosbeak, 1; Am. Goldfinch, 13; Rufous-sided Towhee, 1; Slate-colored Junco, 19; Tree Sparrow, 149; Song Sparrow, 2. **Total,** 35 species; more than 1532 individuals. (Seen in area count period, but not on count day: Herring Gull, Screech Owl, Great Horned Owl, Northern Shrike, Brown-headed Cowbird, Cardinal, Common Redpoll, Pine Siskin, Red Crossbill, White-throated Sparrow.)—Hortense Barten, Mr. and Mrs. Thomas Brown, Mrs. Jack Cook (compiler), Mrs. Paul Erlenbach, Mary Mickle, Donald Miller, Mrs. Donald Radke, Edgar Reilly, Jr., Mrs. Fred Smilow (Alan Devoe Bird Club).

86. **Clinton, N. Y.** (all points within a 15-mile diameter circle, center Hamilton College, including Clinton, Vernon Center, Kirkland, Franklin Springs, Deansboro; mixed deciduous and coniferous woods 50%, fields 40%, dense evergreens 2%, rural areas 8%).—Jan. 1; 8 a.m. to 4 p.m. Clear; temp. 15° to 30°; wind N to NW, 15-20 m.p.h.; 8-26-in. snow, heavy drifting. Four observers in 3 parties. Total party-hours, 24 (24 on foot); total party-miles, 45 (45 on foot). ► Cooper's Hawk, 1; Red-tailed Hawk, 1; Sparrow Hawk, 1; Ruffed Grouse, 8; Ring-necked Pheasant, 6; Great Horned Owl, 1; Pileated Woodpecker, 2; Hairy Woodpecker, 8; Downy Woodpecker, 45; Blue Jay, 62; Common Crow, 10; Black-capped Chickadee, 252; White-breasted Nuthatch, 37; Brown Creeper, 16; Golden-crowned Kinglet, 7; Cedar Waxwing, 6; Starling, 44; House Sparrow, 85; Cardinal, 8; Am. Goldfinch, 37; **Vesper Sparrow, 1** (present since Dec. 13); Slate-colored Junco, 37; Tree Sparrow, 102; Song Sparrow, 3. **Total,** 24 species; about 780 individuals.—T. Clarke, C. Pliseck, H. Roe (compiler), A. Roman.

87. **Conesus–Hemlock–Honeoye Lakes, N. Y.** (all points within a 15-mile diameter circle, center Hemlock Lake outlet; area as described on 1956 count).—Dec. 27; 6 a.m. to 5:15 p.m. Clear a.m., overcast p.m.; temp. 15° to 25°; wind SW, 0-15 m.p.h.; 1-3-in. snow cover, lakes mostly frozen. Sixteen observers in 6 parties. Total party-hours, 28 (12 on foot, 16 by car); total party-miles, 160 (20 on foot, 140 by car). ► Mallard, 61; Black Duck, 55; Redhead, 42; Canvasback, 61; Greater Scaup, 60; Common Goldeneye, 10; Bufflehead, 4; Ruddy Duck, 2; Common Merganser, 4; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 10; Sparrow Hawk, 2; Ruffed Grouse, 10; Ring-necked Pheasant, 5; Am. Coot, 2; Herring Gull, 3; Mourning Dove, 1; Screech Owl, 1; Great Horned Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 6; Pileated Woodpecker, 5; Red-bellied Woodpecker,

3; Hairy Woodpecker, **20**; Downy Woodpecker, **44**; Blue Jay, 99; Common Crow, 70; Black-capped Chickadee, 170; White-breasted Nuthatch, **41**; Brown Creeper, **15**; Robin, **24**; Golden-crowned Kinglet, 1; Cedar Waxwing, **64**; Northern Shrike, 1; Starling, 220; House Sparrow, 600; Cardinal, 9; Am. Goldfinch, 1; Slate-colored Junco, 24; Tree Sparrow, 198; Song Sparrow, 11; Snow Bunting, 41. **Total,** 43 species; about 2004 individuals. (Seen in area count period, but not on count day: Horned Grebe, Hooded Merganser, Ring-billed Gull.)—Mr. and Mrs. D. Cameron, F. Foote, J. Foster, Mrs. C. Haller, Mr. and Mrs. A. Kemnitzer, H. Miller, J. Mitchell, S. Oresman, P. Petsos, G. Rising (compiler), D. Simons, A. Starling, I. Swanton, L. Tanghe (Genesee Ornithological Society).

88. Cortland, N. Y. (all points within a 15-mile diameter circle, center 6 miles northwest of Cortland as in previous years).—Dec. 25; 7 a.m. to 6 p.m. Snow flurries; temp. −12° to 10°; wind NW, 2-15 m.p.h.; 9-in. snow on ground, waters mostly open. Two observers in 2 parties. Total party-hours, 15 (11 on foot, 4 by car); total party-miles, 70 (10 on foot, 60 by car). ► Mallard, 3; Black Duck, 20; Redhead, 600; Ring-necked Duck, 1; Canvasback, 280; Greater Scaup, 5; Common Goldeneye, 11; Common Merganser, 4; Ruffed Grouse, 3; Ring-necked Pheasant, 2; Herring Gull, 7; Screech Owl, 5; Belted Kingfisher, 2; Pileated Woodpecker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 13; Blue Jay, 40; Common Crow, 33; Black-capped Chickadee, 97; White-breasted Nuthatch, 16; Red-breasted Nuthatch, 1; Brown Creeper, 4; Winter Wren, 2; Starling, 149; House Sparrow, 67; Cardinal, 5; Evening Grosbeak, 20; Purple Finch, 1; Am. Goldfinch, 2; Slate-colored Junco, 5; Tree Sparrow, 84; Song Sparrow, 11; Snow Bunting, 3. **Total,** 33 species; about 1501 individuals.—Harold H. Axtell (compiler), Rachel C. Axtell.

89. Deposit, N. Y. (all points within a 15-mile diameter circle, center on Delaware River 3 miles south of Deposit as in previous years).—Dec. 21; 6:30 a.m. to 5 p.m. Partly cloudy; temp. −2° to 16°; wind NW, 0-18 m.p.h.; 3-in. packed snow, Delaware River ½ frozen, streams and ponds completely frozen. Two observers in 2 parties. Total party-hours, 15 (8 on foot, 7 by car); total party-miles, 80 (11 on foot, 69 by car). ► Cooper's Hawk, 1; Ruffed Grouse, 9; Great Horned Owl, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 9; Blue Jay, 31; Common Crow, 52; Black-capped Chickadee, 57; White-breasted Nuthatch, 14; Red-breasted Nuthatch, 2; Brown Creeper, 6; Golden-crowned Kinglet, 2; Starling, 62; House Sparrow, 71; Evening Grosbeak, 11; Purple Finch, 1; Am. Goldfinch, 53; Slate-colored Junco, 4; Tree Sparrow, 16; White-throated Sparrow, 6. **Total,** 21 species; about 414 individuals. (Seen in area count period, but not on count day: Common Merganser, Cardinal, Common Redpoll, Pine Siskin.)—E. A. Thatcher, S. S. Wilson, Jr. (compiler).

90. Dutchess County, N. Y. (all points within a 15-mile diameter circle, center Pleasant Valley; west to Hudson River, east to Millbrook; open farmland 30%, half-abandoned estates and Vassar College campus 30%, wooded areas along some open streams 30%, Hudson River 10%).—Dec. 27; 5 a.m. to 4 p.m. Clear; temp. 10° to 32°; wind S, 8 m.p.h.; ground bare, ponds and marshes frozen. Twenty-three observers in 11 parties. Total party-hours, 63 (42 on foot, 21 by car); total party-miles, 258 (34 on foot, 224 by car). ► Mallard, 25; Black Duck, 9; Red-tailed Hawk, 21; Marsh Hawk, 2; Sparrow Hawk, 2; Ruffed Grouse, 1; Bobwhite, 4; Ring-necked Pheasant, 54; **Great Black-backed Gull,** 1; Herring Gull, 15; Mourning Dove, 5; Screech Owl, 1; Great Horned Owl, 2; Barred Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 5; Pileated Woodpecker, 3; Hairy Woodpecker, 10; Downy Woodpecker, 44; Blue Jay, 110; Common Crow, **1569**; Black-capped Chickadee, 315; Tufted Titmouse, 1; White-breasted Nuthatch, 36; Brown Creeper, 5; Catbird, 2; Robin, **278**; Eastern Bluebird, 4; Golden-crowned Kinglet, 41; Ruby-crowned Kinglet, 1; Cedar Waxwing, 44; Starling, **10,550**; Myrtle Warbler, 2; House Sparrow, 510; Eastern Meadowlark, **45**; Rusty Blackbird, 3; Brown-headed Cowbird, 225; Cardinal, 14; Evening Grosbeak, 20; Purple Finch, 63; Pine Siskin, 1; Am. Goldfinch, 117; Vesper Sparrow, 1; Slate-colored Junco, 272; Tree Sparrow, 131; White-throated Sparrow, 29; Fox Sparrow, 1; Song Sparrow, 14. **Total,** 48 species; about 14,610 individuals.—Jean Beck, Mable Brewster, Ray Connelly, Walter Claire, Jr., George Decker, Sallie Draney, Victor Grover, Florence Germond (compiler), Thelma Haight, Margaret King, Helen Manson, Margaret Lane, Lois Palmatier, Vivian Parkhurst, Eleanor Pink, Emily Skidmore, Eleanor Stoutenburgh, William Strauss, Trixie Strauss, Checker Terhune, Robert Wright, Otis Waterman, Virginia Waterman (Dutchess County Bird Club).

91. Elmira, N. Y. (all points within a 15-mile diameter circle, centered on Mark Twain Golf Course; same areas and habitat percentages as past 8 years).—Jan. 1; 8 a.m. to 5:30 p.m. Clear a.m., sleet, rain, snow-pellets p.m.; temp. 33° to 36°; wind SSW, 0-12 m.p.h.; 6-15-in. old crusted snow, few areas on river not frozen. Twenty-five observers in 10 parties. Total party-hours, 38 (21 on foot, 15 by car, 2 on horseback); total party-miles, 271 (31 on foot, 235 by car, 5 on horseback). ► Mallard, 8; Black Duck, 28; Lesser Scaup, 1; Common Merganser, 14; Cooper's Hawk, 1; Rough-legged Hawk, 1; Sparrow Hawk, 4; Ruffed Grouse, 12; Ring-necked Pheasant, 24; Herring Gull, 74; Ring-billed Gull, 9; Mourning Dove, 16; Great Horned Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 1; Pileated Woodpecker, 2; Hairy Woodpecker, 11; Downy Woodpecker, 33; Horned Lark, 4; Blue Jay, 102; Common Crow, 198; Black-capped Chickadee, 172; Tufted Titmouse, 5; White-breasted Nuthatch, 37; Red-breasted Nuthatch, 1; Brown Creeper, 3; Winter Wren, 1; Carolina Wren, 1; Robin, 3; Golden-crowned Kinglet, 10; Ruby-crowned Kinglet, 1; Cedar Waxwing, 52; Starling, 283; House Sparrow,

346; Common Grackle, 2; Brown-headed Cowbird, 1; Cardinal, 49; Evening Grosbeak, 8; Am. Goldfinch, 31; Rufous-sided Towhee, 1; Slate-colored Junco, 94; Tree Sparrow, 341; Field Sparrow, 2; Song Sparrow, 19; Snow Bunting, 40. **Total,** 45 species; about 2050 individuals. (Seen in area count period, but not on count day: Red-tailed Hawk, Marsh Hawk.)—Linda Bates, Bill Brimmer, Albert Fudge, Bruce Fudge, Clinton Fudge, Jr., Kathleen Fudge, Arthur Kopp, Kenneth Mann, Elizabeth Welles, Mary Welles (compiler), Matt Welles (Chemung Valley Audubon Society).

92. **Fort Plain, N. Y.** (all points within a 15-mile diameter circle, center Lydius and Canal Streets, including Mohawk River, Abeel Island, valleys of Oak, Otsquene, Otsquago Creeks, Oak Hill Woods; mixed woods 50%, open farmland 30%, river flats 20%).—Dec. 29; 7:30 a.m. to 5:45 p.m. Fair a.m., partly cloudy p.m.; temp. 12° to 28°; wind NE, 1-3 m.p.h.; 6-in. snow on ground, streams frozen. One observer. Total hours, 9¼; total miles, 10 (all on foot). ► Ruffed Grouse, 2; Great Horned Owl, 2; Pileated Woodpecker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 4; Blue Jay, 9; Common Crow, 7; Black-capped Chickadee, 42; White-breasted Nuthatch, 7; Red-breasted Nuthatch, 1; Brown Creeper, 2; Golden-crowned Kinglet, 4; Starling, 54; House Sparrow, 53; Purple Finch, 10; Pine Grosbeak, 3; Am. Goldfinch, 10; **Rufous-sided Towhee, 1** (studied at close range); Tree Sparrow, 8; Song Sparrow, 2. **Total,** 20 species; about 224 individuals. (Seen in area count period, but not on count day: Common Merganser, Sparrow Hawk, Belted Kingfisher, Cedar Waxwing.)—Douglas Ayres, Jr.

93. **Geneva, N. Y.** (all points within a 15-mile diameter circle, center at east city line; same habitat percentages as previous years).—Dec. 28; 8:30 a.m. to 5 p.m.; temp. 32° to 44°; wind S, 5-10 m.p.h.; 4-in. snow, Seneca Lake open. Seven observers in 5 parties. Total party-hours, 26 (15 on foot, 11 by car); total party-miles, 95 (10 on foot, 85 by car). ► Horned Grebe, 34; Black Duck, 700; Redhead, 1000; Canvasback, 35; Greater Scaup, 1500; Common Goldeneye, 45; Bufflehead, 2; **Ruddy Duck, 1**; Cooper's Hawk, 1; Red-tailed Hawk, 4; Rough-legged Hawk, 8; Marsh Hawk, 1; Sparrow Hawk, 4; Ring-necked Pheasant, 3; Am. Coot, 26; Herring Gull, 131; Ring-billed Gull, 7; Mourning Dove, 4; Screech Owl, 1; Great Horned Owl, 1; Hairy Woodpecker, 17; Downy Woodpecker, 19; Horned Lark, 30; **Tree Swallow, 3** (carefully identified—J. W.); Blue Jay, 19; Common Crow, 209; Black-capped Chickadee, 23; White-breasted Nuthatch, 24; Brown Creeper, 7; Robin, 3; Starling, 188; House Sparrow, 293; **Brown-headed Cowbird, 3**; Cardinal, 21; Slate-colored Junco, 12; Tree Sparrow, 27; **White-crowned Sparrow, 1**; Song Sparrow, 11. **Total,** 38 species; about 4418 individuals. (Seen in area count period, but not on count day: Great Black-backed Gull, Carolina Wren, Eastern Meadowlark.)—Clifford DeMayo, Leora Dryer, Ethel Murden, Thomas Smart, Paris Trail, Jayson Walker, Loren Ward (compiler) (Eaton Bird Club).

94. **Hamburg–East Aurora, N. Y.** (all points within a 15-mile diameter circle, center at Chestnut Ridge Park, including Orchard Park and Emery Park as last year).—Dec. 28; 7:30 a.m. to 5 p.m. Clear; temp. 28° to 38°; wind S, 0-5 m.p.h.; ponds, streams and Lake Erie frozen, 4-24-in. packed snow on ground. Forty-two observers in 24 parties. Total party-hours, 154 (47 on foot, 107 by car); total party-miles, 865 (70 on foot, 795 by car). ► Mallard, 7; Cooper's Hawk, 2; Red-tailed Hawk, 9; Sparrow Hawk, 20; Ruffed Grouse, 3; Ring-necked Pheasant, 216; Herring Gull, 3; Screech Owl, 3; Great Horned Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 4; Pileated Woodpecker, 4; Hairy Woodpecker, 44; Downy Woodpecker, 161; Blue Jay, 372; Common Crow, 577; Black-capped Chickadee, 609; White-breasted Nuthatch, 92; Red-breasted Nuthatch, 7; Brown Creeper, 32; Robin, 4; Golden-crowned Kinglet, 46; Cedar Waxwing, 162; Northern Shrike, 3; Starling, 3040; House Sparrow, 3599; Common Grackle, 4; Brown-headed Cowbird, 13; Cardinal, 83; Evening Grosbeak, 3; Pine Siskin, 19; Am. Goldfinch, 203; Rufous-sided Towhee, 2; Slate-colored Junco, 162; Tree Sparrow, 156; Chipping Sparrow, 2 [no details—Ed.]; White-throated Sparrow, 3; Song Sparrow, 11; Snow Bunting, 7. **Total,** 39 species; about 9690 individuals. (Seen in area count period, but not on count day: Marsh Hawk, Purple Finch.)—Mr. and Mrs. Charles Avery, Dr. and Mrs. Harold Axtell, Mrs. John Bacon, Bridget Baird, Thomas Bourne, Elma Bowen, Mrs. Elek Csont, Mrs. James Creighton, Mr. and Mrs. Edward Cummiskey, Mrs. Martin Dietrich, Dr. and Mrs. William Dugan, Dirk Dugan, Dixie Dugan, Elizabeth Faul, Donald Gamble, Jennie Graham, Anthony Krayna, Edna Lindemann, Mr. and Mrs. William McShane, Mrs. LeRoy Melberg (compiler), Harold Mitchell, William Osenkarski, Frances Rathbun, Mrs. Bartlett Ramsdell, Frances M. Rew, Mr. and Mrs. Clarence Rote, David Rote, Richard Rosche, Edward Seeber, John Stonitsch, Mrs. John Stuhr, Lena Turner, Gertrude Webster, Margaret Wendling, Marie Wendling, Ellen Windsor.

95. **Jamestown, N. Y.** (all points within a 15-mile diameter circle, center Jamestown; south to state line, north to Gerry, east to Poland, west to Bemus Point; deciduous woods 26%, coniferous woods 9%, mixed woods 17%, water 10%, fields 27%, marsh 4%, suburban 7%).—Dec. 27; 6:45 a.m. to 5 p.m. Cloudy; temp. 15° to 25°; wind SW, 5-10 m.p.h.; lake frozen, outlet open, ground covered with snow. Twenty-three observers in 10 parties. Total party-hours, 31 (18 on foot, 13 by car); total party-miles, 105 (35 on foot, 70 by car). ► Black Duck, 7; Common Goldeneye, 7; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Sparrow Hawk, 4; Ring-necked Pheasant, 44; Mourning Dove, 16; Screech Owl, 1; Great Horned Owl, 1; Pileated Woodpecker, 2; Hairy Woodpecker, 16; Downy Woodpecker, 46; Blue Jay, 114; Common Crow, 42; Black-capped Chickadee, 215; Tufted Titmouse, 2; White-breasted Nuthatch, 38; Red-breasted Nuthatch, 4; Brown Creeper, 13; Winter Wren, 1; Robin, 1; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 3; Cedar

Waxwing, 65; Northern Shrike, 1; Starling, 6088; House Sparrow, 257; Redwinged Blackbird, 3; Common Grackle, 2; Brown-headed Cowbird, 4; Cardinal, 35; Purple Finch, 4; Pine Siskin, 20; Am. Goldfinch, 48; Rufous-sided Towhee, 2; Slate-colored Junco, 108; Tree Sparrow, 347; Song Sparrow, 27; Snow Bunting, 20. **Total,** 39 species; about 7613 individuals. (Seen in area count period, but not on count day: Bufflehead, Bald Eagle, Herring Gull, Ring-billed Gull, Yellow-shafted Flicker, Evening Grosbeak.)—Danny Anderson, Dr. and Mrs. Arthur Babath, Clarence Beal, Corl Belknap, Gustavus Bently, Craig Bohall, Alice Brolin, Gilbert Burgeson, Inez Burgeson, Annabelle Hiller, John Lawson, Mabel Lawson, Steve Maggio, William Mealy (compiler), Robert Olson, Claude Parker, Gilbert Randall, John Rappole, Pete Robinson, Mrs. Frank Skillman, Robert Sundell, Roger Sundell.

96. Kingston–Lake Mohonk–Ashokan Reservoir, N. Y. (all points within a 15-mile diameter circle, center same as in previous years).—Dec. 28; 7 a.m. to 5 p.m. Clear; temp. 27° to 37°; wind calm; 2-4-in. snow on ground, streams and ponds frozen, reservoir partly open. Twenty-two observers in 11 parties. Total party-hours, 40 (10 on foot, 25 by car, 5 at feeders); total party-miles, 221 (18 on foot, 203 by car). ► Common Loon, 1; Horned Grebe, 1; Mallard, 110; Black Duck, 749; Common Goldeneye, 11; Common Merganser, 17; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 3; Sparrow Hawk, 1; Ruffed Grouse, 3; Ring-necked Pheasant, 7; Great Black-backed Gull, 1; Herring Gull, 3; Ring-billed Gull, 3; Mourning Dove, 68; Screech Owl, 1; Yellow-shafted Flicker, 7; Pileated Woodpecker, 5; Hairy Woodpecker, 22; Downy Woodpecker, 75; Horned Lark, 20; Blue Jay, 280; Common Crow, 313; Black-capped Chickadee, 220; Tufted Titmouse, 12; White-breasted Nuthatch, 55; Brown Creeper, 14; Winter Wren, 2; Carolina Wren, 3; Catbird, 1; Robin, 208; Eastern Bluebird, 2; Golden-crowned Kinglet, 11; Cedar Waxwing, 186; Starling, 981; Myrtle Warbler, 3; House Sparrow, 786; Eastern Meadowlark, 1; Cardinal, 51; Dickcissel, 1; Evening Grosbeak, 34; Purple Finch, 218; Pine Siskin, 1; Am. Goldfinch, 175; Rufous-sided Towhee, 2; Slate-colored Junco, 225; Tree Sparrow, 366; Field Sparrow, 1; White-crowned Sparrow, 1; White-throated Sparrow, 56; Fox Sparrow, 1; Song Sparrow, 43. **Total,** 53 species; about 5363 individuals. (Seen in area count period, but not on count day: Red-shouldered Hawk, Mockingbird, Brown Thrasher, Brown-headed Cowbird, Savannah Sparrow.)—A. M. Cragin, M. Cross, J. S. Cross, J. DuBois, V. DuBois, H. Dunbar, I. K. Dunbar (compiler), J. Dunn, H. Hayes, S. Hayes, F. Hough, T. Morgan, M. Pyle, R. Pyle, Mrs. H. Sagazie, D. Smiley, Jr., B. von Soosten, F. Storm, Jr., A. Van Laer, R. H. Van Valkenburgh, G. B. Wilmott, G. H. Wilmott.

97. Madrid, N. Y. (all points within a 15-mile diameter circle, center about 1 mile southwest of Chase Mills; moved this year to include new Wilson Hill Game Area; Canadian portion not visited; river area has doubled since last year due to dams that form Lake St. Lawrence).—Dec. 26; 7:15 a.m. to 4:15 p.m. Light overcast, snow flurry; temp. 0° to 22°; wind SW, 5-10 m.p.h.; 1-ft. snow on ground, St. Lawrence River entirely frozen over. Four observers in 2 parties. Total party-hours, 15 (4 on foot, 11 by car); total party-miles, 80 (12 on foot, 68 by car). ► Accipiter (sp.), 1; Marsh Hawk, 1; Ruffed Grouse, 2; Pileated Woodpecker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 2; Blue Jay, 48; Black-capped Chickadee, 74; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 1; Golden-crowned Kinglet, 1; **Bohemian Waxwing, 1** (carefully identified—E. N.); Northern Shrike, 1; Starling, 182; House Sparrow, 94; Evening Grosbeak, 81; Pine Grosbeak, 4; White-winged Crossbill, 40; Tree Sparrow, 41; Song Sparrow, 3; Snow Bunting, 300. **Total,** 21 species; about 882 individuals. (Seen in area count period, but not on count day: Common Goldeneye, Robin, Am. Goldfinch.)—John Belknap, David Gordon, Frank Hickok, Edward Nichols (compiler).

98. Manhattan, N. Y. and North Bergen, N. J. (all points within a 15-mile diameter circle, center at 71 St. and Hudson River; same area as last year plus Hudson County Park, adjacent part of west shore of Hudson, and eastern edge of Hackensack meadows; no trespass on Hackensack–Ridgewood circle; city parks 50%, sheltered salt water 35%, brackish marsh 15%).—Dec. 21; 5:45 a.m. to 9 p.m. Clear; temp. 14° to 25°; wind NW, 10-20 m.p.h.; fresh and brackish water 90% frozen, ground mostly bare. Fifteen observers in 5-6 parties. Total party-hours, 52 (41 on foot, 7 by car, 4 by boat); total party-miles, 220 (60 on foot, 140 by car, 20 by boat). ► Pied-billed Grebe, 1; Great Blue Heron, 1; Black-crowned Night Heron, 2; Mallard, 59; Black Duck, 283; Green-winged Teal, 15; Am. Widgeon, 3; Ring-necked Duck, 4; Canvasback, 244; Greater Scaup, 1531; Lesser Scaup, 4; Common Goldeneye, 20; Bufflehead, 4; Ruddy Duck, 26; Common Merganser, 3; Red-breasted Merganser, 1; Cooper's Hawk, 1; Red-tailed Hawk, 1; Marsh Hawk, 4; Sparrow Hawk, 5; Ring-necked Pheasant, 6; Am. Coot, 150; Killdeer, 3; Iceland Gull, 2; Great Black-backed Gull, 140; Herring Gull, 4516; Ring-billed Gull, 290; Black-headed Gull, 1; Laughing Gull, 2; Bonaparte's Gull, 31; Short-eared Owl, 1; Yellow-shafted Flicker, 2; Hairy Woodpecker, 7; Downy Woodpecker, 27; Horned Lark, 1; Blue Jay, 17; Common Crow, 9; Black-capped Chickadee, 5; Tufted Titmouse, 3; White-breasted Nuthatch, 2; Brown Creeper, 1; **Long-billed Marsh Wren, 2** (R. R.); Catbird, 1; Robin, 3; Starling, 41,000; House Sparrow, 381; Redwinged Blackbird, 89; Rusty Blackbird, 3; Common Grackle, 15; Brown-headed Cowbird, 9; Cardinal, 16; Purple Finch, 4; Pine Siskin, 5; Am. Goldfinch, 2; Rufous-sided Towhee, 1; Savannah Sparrow, 1; Slate-colored Junco, 43; Tree Sparrow, 185; Field Sparrow, 7; White-throated Sparrow, 228; Fox Sparrow, 53; Swamp Sparrow, 31; Song Sparrow, 235. **Total,** 63 species; about 49,742 individuals. (Seen in area count period, but not on count day: Barn Owl, Screech Owl, Saw-whet Owl.)—Ned Boyajian, Mr. and Mrs. Chap-

man, William Cooney, Gordon Gavan, William Gordon, Silvia Fullerton, Richard E. Harrison, Locke Mackenzie, Michael Mackenzie, Robert Mathews, Pauline Messing, Henry Ryan, Richard Ryan (compiler), Mary Smith.

99. **Montezuma National Wildlife Refuge, N. Y.** (all points within a 15-mile diameter circle, center to include entire refuge; Route 414 from May's Point to Routes 5-20 and Routes 5-20 from Route 414 to Menard Memorial Bridge; frozen marsh 50%, open fields 25%, swamp woodlands 5%, woodland borders 10%, open canal water 10%).—Jan. 1; 8 a.m. to 5 p.m. Cloudy, rain 1 to 5 p.m.; temp. 38° to 39°; wind S, 10-20 m.p.h.; ground snow-covered, only open water on Seneca Canal. Two observers in 1-2 parties. Total party-hours, 9 (5 on foot, 4 by car); total party-miles, 18 (3 on foot, 15 by car). ► Canada Goose, 2; Black Duck, 3; Canvasback, 26; Red-tailed Hawk, 1; Sparrow Hawk, 1; Herring Gull, 26; Downy Woodpecker, 3; Common Crow, 250; Black-capped Chickadee, 14; White-breasted Nuthatch, 2; Brown Creeper, 1; Starling, 12; House Sparrow, 26; Tree Sparrow, 3; Song Sparrow, 1. **Total,** 15 species; about 371 individuals. (Seen in area count period, but not on count day: Am. Widgeon, Common Merganser, Cooper's Hawk, Ring-necked Pheasant, Great Horned Owl, Common Grackle.)—John S. Morse (compiler), Jason A. Walker.

100. **Monticello, N. Y.** (all points within a 15-mile diameter circle, center and habitat coverage same as last year).—Dec. 27; 7:30 a.m. to 4:30 p.m. Clear; temp. –4° to 40°; wind WNW, 0-10 m.p.h.; 3-in. snow, all water frozen except part of reservoir. Fifteen observers in 3 parties. Total party-hours, 24 (4 on foot, 20 by car); total party-miles, 202 (7 on foot, 195 by car). ► Black Duck, 8; Hooded Merganser, 2; Red-tailed Hawk, 1; Bald Eagle, 1; Ruffed Grouse, 3; Great Horned Owl, 4; **Snowy Owl, 2**; Pileated Woodpecker, 3; Hairy Woodpecker, 6; Downy Woodpecker, 8; Blue Jay, 175; Common Crow, 38; Black-capped Chickadee, 158; White-breasted Nuthatch, 14; Red-breasted Nuthatch, 2; Robin, 1; Cedar Waxwing, 30; Starling, 335; House Sparrow, 308; Redwinged Blackbird, 1; Brown-headed Cowbird, 5; Evening Grosbeak, 242; Purple Finch, 2; Pine Grosbeak, 22; Pine Siskin, 26; Am. Goldfinch, 274; **White-winged Crossbill, 10**; Slate-colored Junco, 97; Tree Sparrow, 71; Song Sparrow, 4. **Total,** 30 species; about 1853 individuals. (Seen in area count period, but not on count day: Mallard, Common Merganser, Barred Owl, Brown Creeper.)—Mr. and Mrs. Charles Atwell, Pauline Chernick, Mr. and Mrs. M. C. Hammond, Mrs. Julius Holtzman, Naomi Holtzman, Mrs. John Mason, Mr. and Mrs. Edward McBride, Edwin Morse, Mrs. Kenneth D. Niven, Kenneth D. Niven (compiler), Ralph Spaulding, Stephen Willis (Sullivan County and Minisink Audubon Societies).

101. **Olean, N. Y.** (all points within a 15-mile diameter circle, center at St. Bonaventure University).—Dec. 27; 8 a.m. to 5 p.m. Partly cloudy to cloudy; temp. 10° to 30°; wind SW, 1-7 m.p.h.; mile of Allegheny River open, 10-15-in. snow. Twelve observers in 4 parties. Total party-hours, 25 (8 on foot, 17 by car); total party-miles, 144 (8 on foot, 136 by car). ► Pied-billed Grebe, 1; Common Goldeneye, 2; Hooded Merganser, 1; Ruffed Grouse, 6; Ring-necked Pheasant, 1; Turkey, 2; Mourning Dove, 2; Barred Owl, 2; Belted Kingfisher, 1; Pileated Woodpecker, 1; Downy Woodpecker, 14; Blue Jay, **102**; Common Crow, **93**; Black-capped Chickadee, 131; White-breasted Nuthatch, 26; Red-breasted Nuthatch, 8; Brown Creeper, 2; Northern Shrike, 2; Starling, 616; House Sparrow, 552; Brown-headed Cowbird, 20; Cardinal, 7; Evening Grosbeak, 20; Purple Finch, 8; Am. Goldfinch, **148**; White-winged Crossbill, 8; Slate-colored Junco, 68; Tree Sparrow, 79; Song Sparrow, 5. **Total,** 29 species; about 1928 individuals. (Seen in area count period, but not on count day: Horned Grebe, Red-tailed Hawk, Sparrow Hawk, Hairy Woodpecker.)—Bienivenido Anicete, Stephen Bush, Stephen W. Eaton (compiler), Wilbert Johnson, Louise Keenan, David Krieg, Mr. and Mrs. Lawrence Parsons, Clifford M. Peterson, Eric Saylor, Marlin Smith, Robert Werrlein.

102. **Orleans County, N. Y.** (all points within a 15-mile diameter circle, center same as last year's Central Orleans County report).—Dec. 28; 7 a.m. to 5 p.m. Partly cloudy; temp. 35° to 45°; wind S, 4 m.p.h.; 2-3-in. snow on ground. Five observers in 4 parties. Total party-hours, 27 (9 on foot, 10 by car, 8 at feeding station); total party-miles, 87 (7 on foot, 80 by car). ► Horned Grebe, 1; Black Duck, 1; Ring-necked Duck, 2; Canvasback, 2; Common Goldeneye, **400**; Bufflehead, 4; Red-breasted Merganser, 1; Red-tailed Hawk, 5; **Peregrine Falcon, 1** (carefully identified); Sparrow Hawk, 11; Ring-necked Pheasant, 15; Great Black-backed Gull, 3; Herring Gull, 156; Ring-billed Gull, 20; **Saw-whet Owl, 1**; Yellow-shafted Flicker, 3; Hairy Woodpecker, 5; Downy Woodpecker, 12; Horned Lark, 55; Blue Jay, 12; Common Crow, 30; Black-capped Chickadee, 33; White-breasted Nuthatch, 11; Brown Creeper, 4; Golden-crowned Kinglet, 3; Cedar Waxwing, 36; shrike (sp.), 1; Starling, 352; **Myrtle Warbler, 2** (seen well); House Sparrow, 276; Cardinal, 3; Slate-colored Junco, 41; Tree Sparrow, 85. **Total,** 33 species; about 1587 individuals. (Seen in area count period, but not on count day: Great Horned Owl, **Redwinged Blackbird**.)—Duane Delamarter, Fred Holt, Don Lown, Wilfred Weeks, Jr. (compiler), Leona Wells.

103. **Oswego–Fulton, N. Y.** (all points within a 15-mile diameter circle, center at Minetto; south and east to Fulton, north to Oswego, west to North Hannibal and Snake Swamp, east to Scriba; river and harbor 20%, coniferous woods 25%, open fields 10%, brush 20%, dumps 5%, lakefront 10%, deciduous woods 10%).—Jan. 1; 9 a.m. to 6:15 p.m. Cloudy, rain after 4 p.m.; temp. 24° to 38°; wind SE, 15-20 m.p.h.; 18-50-in. snow on ground, drifts to 12 ft., river and harbor almost completely frozen. Eight observers in 2-4 parties. Total party-hours, 21 (12 on foot, 9 by car); total party-miles, 79

(16 on foot, 63 by car). ► Horned Grebe, 3; Pied-billed Grebe, 2; Mallard, 87; Black Duck, 305; Pintail, 1; Redhead, 1; Canvasback, 2; Greater Scaup, 546; Lesser Scaup, 82; Common Goldeneye, 101; Bufflehead, 15; Oldsquaw, 49; Hooded Merganser, 1; Common Merganser, 26; Red-breasted Merganser, 6; Cooper's Hawk, 1; Red-tailed Hawk, 1; Sparrow Hawk, 1; Ruffed Grouse, 2; Ring-necked Pheasant, 9; Glaucous Gull, 1; Great Black-backed Gull, 28; Herring Gull, 3820; Ring-billed Gull, 18; Screech Owl, 1; Hairy Woodpecker, 1; Downy Woodpecker, 13; Blue Jay, 23; Common Crow, 14; Black-capped Chickadee, 37; White-breasted Nuthatch, 8; Red-breasted Nuthatch, 4; Brown Creeper, 6; Robin, 1; Golden-crowned Kinglet, 3; Northern Shrike, 2; Starling, 220; **Myrtle Warbler, 2**; House Sparrow, 105; Cardinal, 10; Purple Finch, 1; Slate-colored Junco, 3; Tree Sparrow, 39; Song Sparrow, 1. **Total,** 44 species; about 5602 individuals. (Seen in area count period, but not on count day: Evening Grosbeak.)—Mr. and Mrs. R. Allison, Dr. and Mrs. Harold Axtell, Gunter Hadesberger, Harry Recher, Margaret Rusk, Fritz Scheider (compiler).

104. Peekskill, N. Y. (all points within a 15-mile diameter circle, center at Croton Avenue and Furnace Dock Road; area and habitats same as in previous years).—Dec. 27; 6:30 a.m. to 4:30 p.m. Clear; temp. 0° to 35°; wind W, 5 m.p.h.; lakes and ponds frozen, Hudson River partially frozen. Fifteen observers in 8 parties. Total party-hours, 68 (43 on foot, 25 by car); total party-miles, 294 (77 on foot, 217 by car). ► Mute Swan, 1; Mallard, 7; Black Duck, 133; Canvasback, 56; Greater Scaup, 2; Common Goldeneye, 14; Hooded Merganser, 2; Common Merganser, 438; Cooper's Hawk, 3; Red-tailed Hawk, 6; Red-shouldered Hawk, 3; Bald Eagle, 6; Sparrow Hawk, 2; Ruffed Grouse, 4; Ring-necked Pheasant, 2; Killdeer, 1; Great Black-backed Gull, 18; Herring Gull, 4204; Ring-billed Gull, 5; Mourning Dove, 40; Great Horned Owl, 3; Belted Kingfisher, 4; Yellow-shafted Flicker, 9; Pileated Woodpecker, 1; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 16; Downy Woodpecker, 131; **Black-backed Three-toed Woodpecker, 1** (R. O., M. L.); Blue Jay, 259; Common Crow, 370; Black-capped Chickadee, 447; Tufted Titmouse, 3; White-breasted Nuthatch, 49; Red-breasted Nuthatch, 1; Brown Creeper, 8; Winter Wren, 1; Carolina Wren, 1; **Long-billed Marsh Wren, 1** (R. O.); Catbird, 2; Robin, **195**; Hermit Thrush, 1; Eastern Bluebird, 10; Golden-crowned Kinglet, 8; Ruby-crowned Kinglet, 1; Cedar Waxwing, 123; Starling, 978; Myrtle Warbler, 12; House Sparrow, 380; Eastern Meadowlark, 7; Red-winged Blackbird, 8; Cardinal, **72**; Purple Finch, 13; Pine Siskin, 15; Am. Goldfinch, 105; Rufous-sided Towhee, 2 (J. G.); Slate-colored Junco, 473; Tree Sparrow, 460; **Field Sparrow, 1** (P. W.); White-throated Sparrow, 253; Fox Sparrow, 1; Swamp Sparrow, 8; Song Sparrow, 138. **Total,** 62 species; about 9523 individuals.—William Anderson, Martin Brech, John A. Given, Michael Gochfeld, Robert Gochfeld, Bruce Kornbluth, George W. Little, Mabel Little, James R. Nolan (compiler), Ralph Odell, Leslie Pearl, Judy Slechta, Donald Slobohn, Elizabeth Wolfe, Paul J. Wolfe (Naturalists' Workshop).

105. Plattsburgh, N. Y. (all points within a 15-mile diameter circle, center 5 miles south of Plattsburgh on Route 22; lakefront 30%, fields 50%, woods 15%, urban 5%).—Dec. 20; 7:45 a.m. to 4:30 p.m. Fair; temp. −10° to 10°; wind NW, 5 m.p.h.; 6-12-in. snow on ground, Lake Champlain steam-covered. Three observers in 1 party. Total party-hours, 8¾ (4 on foot, 4¾ by car); total party-miles, 68 (5 on foot, 63 by car). ► Horned Grebe, 5; Black Duck, 2; Common Goldeneye, 51; Common Merganser, 2; Ruffed Grouse, 1; Ring-necked Pheasant, 2; Herring Gull, 16; Hairy Woodpecker, 1; Downy Woodpecker, 1; Blue Jay, 8; Common Crow, 79; Black-capped Chickadee, 35; White-breasted Nuthatch, 6; Red-breasted Nuthatch, 1; Brown Creeper, 4; Robin, 2; Starling, 20; House Sparrow, 317; Evening Grosbeak, 7; Am. Goldfinch, 23; Slate-colored Junco, 2; Tree Sparrow, 51; White-throated Sparrow, 1; Snow Bunting, 20. **Total,** 24 species; about 657 individuals.—Travis Haws, Barbara Ward (compiler), Richard Ward.

106. Putnam County, N. Y. (all points within a 15-mile diameter circle, center near Tompkins Corners as previously).—Jan. 1; 6 a.m. to 5 p.m. Fair; temp. 10° to 26°; wind SW, 5-10 m.p.h.; no open water except portion of West Branch Reservoir and Hudson River. Ten observers in 5 parties. Total party-hours, 35 (25 on foot, 10 by car); total party-miles, 220 (35 on foot, 185 by car). ► Mallard, 4; Black Duck, 37; Ring-necked Duck, 54; Common Goldeneye, 3; Bufflehead, 6; Hooded Merganser, 6; **Goshawk, 1** (G. L.); Cooper's Hawk, 1; Red-tailed Hawk, 7; Red-shouldered Hawk, 1; Bald Eagle, 2; Sparrow Hawk, 3; Ruffed Grouse, 11; Ring-necked Pheasant, 2; **Virginia Rail, 2** (W. A., J. G.); Herring Gull, 57; Mourning Dove, 20; Screech Owl, 1; Great Horned Owl, 5; Barred Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 6; Pileated Woodpecker, **16**; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 36; Downy Woodpecker, 119; Blue Jay, 215; Common Crow, 124; Black-capped Chickadee, 474; Tufted Titmouse, **10**; White-breasted Nuthatch, 89; Red-breasted Nuthatch, 8; Brown Creeper, 37; Carolina Wren, 4; Robin, **87**; Eastern Bluebird, 6; Golden-crowned Kinglet, 39; Ruby-crowned Kinglet, 2; Cedar Waxwing, **275**; Starling, 885; House Sparrow, 427; Redwinged Blackbird, 8; Brown-headed Cowbird, 9; Cardinal, 31; Evening Grosbeak, **100**; Purple Finch, 15; Common Redpoll, 1; Pine Siskin, 80; Am. Goldfinch, **349**; **Rufous-sided Towhee, 9**; Slate-colored Junco, 1124; Tree Sparrow, 674; Field Sparrow, 1; White-throated Sparrow, **166**; Fox Sparrow, 15; Swamp Sparrow, 8; Song Sparrow, 64. **Total,** 57 species; about 5741 individuals. (Seen in area count period, but not on count day: Redhead.)—W. Anderson, M. Brech (compiler), J. Given, B. Kornbluth, Mr. and Mrs. G. Little, J. Nolan, R. Odell, W. C. Russell, J. Thaler (Naturalists' Workshop).

107. **Rochester, N. Y.** (all points within a 15-mile diameter circle, center Dewey Ave. and Stone Rd. as in previous years).—Dec. 21; 6 a.m. to 6 p.m. Sunshine 4 hours; temp. 17° to 25°; wind SW, 15 m.p.h.; 5-in. snow cover, ponds and bays frozen, Lake Ontario open. Thirty-nine observers in 14 parties. Total party-hours, 93 (62 on foot, 31 by car); total party-miles, 380 (76 on foot, 304 by car). ► Horned Grebe, 4; Mallard, 40; Black Duck, 185; Green-winged Teal, 1; Wood Duck, 1; Redhead, 1; Canvasback, 1; Greater Scaup, 370; Lesser Scaup, 1; Common Goldeneye, **700**; Bufflehead, 20; Oldsquaw, 449; White-winged Scoter, 6; Hooded Merganser, 1; Common Merganser, 452; Red-breasted Merganser, 52; Sharp-shinned Hawk, 2; Cooper's Hawk, 3; Red-tailed Hawk, 17; Sparrow Hawk, 3; Ring-necked Pheasant, 101; **Killdeer, 1**; Great Black-backed Gull, 23; Herring Gull, 1257; Ring-billed Gull, 704; Bonaparte's Gull, 45; Mourning Dove, 16; Screech Owl, 1; Great Horned Owl, 1; Long-eared Owl, 1; Short-eared Owl, 3; Belted Kingfisher, 1; Yellow-shafted Flicker, 5; Hairy Woodpecker, 28; Downy Woodpecker, 71; Horned Lark, 4; Blue Jay, 44; Common Crow, 4116; Black-capped Chickadee, 174; White-breasted Nuthatch, 30; Red-breasted Nuthatch, 12; Brown Creeper, 33; Winter Wren, 4; Robin, **45**; Golden-crowned Kinglet, 17; **Bohemian Waxwing, 12** (15 observers, movies obtained); Cedar Waxwing, 132; Northern Shrike, 3; Starling, 2733; Myrtle Warbler, 4; Yellowthroat, 1; House Sparrow, 583; Red-winged Blackbird, 3; **Baltimore Oriole, 1** (at feeder since Nov.); Rusty Blackbird, 3; Brown-headed Cowbird, 63; Cardinal, **91**; Purple Finch, 4; Common Redpoll, 2; Pine Siskin, 1; Am. Goldfinch, 25; **Rufous-sided Towhee, 1** (carefully identified); Slate-colored Junco, **189**; Tree Sparrow, 284; White-throated Sparrow, **19**; Swamp Sparrow, 5; Song Sparrow, 105. **Total,** 67 species; about 13,310 individuals. (Seen in area count period, but not on count day: Common Loon, Rough-legged Hawk, Snow Bunting.)—John Conway, Ralph and Helen Dakin, Robert Dobson, Robert Dolan, Helen Foster, John Foster, Reginald Hartwell, George Jones, Allen and Beatrice Kemnitzer, Allan and John Klonick, Gerhard Leubner (compiler), Walter Listman, Warren Lloyd, Eugene McCarthy, Robert McKinney, Joseph and Thelma McNett, Howard Miller, John and Hildegarde Mitchell, Neil and Laura Moon, William Muchmore, Donald Nelson, Richard O'Hara, Stephen Oresman, Helen Patterson, Philip Petsos, Gerald Rising, Hugh Schaefer, Alfred Starling, Mary Ann Sunderlin, Leo Tanghe, Joseph Taylor, Steven Taylor, Louise Zeitler (Genesee Ornithological Society and Burroughs-Audubon Nature Club).

108. **Schenectady, N. Y.** (all points within a 15-mile diameter circle, center 0.8 mile S of 42° 45′ and 0.3 mile W of 73° 45′; same area and habitat percentages as preceding years).—Dec. 20; 7:30 a.m. to 4:30 p.m. Clear to partly cloudy; temp. −6° to 10°; wind NW, 0-3 m.p.h.; light patches of old snow, most waters heavily iced. Eighteen observers in 7 parties. Total party-hours, 45 (25 on foot, 20 by car); total party-miles, 275 (45 on foot, 230 by car). ► Goshawk, 1; Red-tailed Hawk, 4; Red-shouldered Hawk, 1; Rough-legged Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 3; Ring-necked Pheasant, 2; **Common Snipe, 2** (C. G., W. S.); Herring Gull, 1; Mourning Dove, **162** (160 in 1 flock); Great Horned Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 2; Pileated Woodpecker, 1; Hairy Woodpecker, 18; Downy Woodpecker, 34; Horned Lark, 2; Blue Jay, 61; Common Crow, 407; Black-capped Chickadee, 172; White-breasted Nuthatch, 30; Red-breasted Nuthatch, 1; Brown Creeper, 13; **Brown Thrasher, 1** (W. K.); Robin, 2; Eastern Bluebird, 2; Starling, 2952; House Sparrow, 288; Eastern Meadowlark, 2; **Rusty Blackbird, 1** (W. K.); Cardinal, 5; Evening Grosbeak, 11; Purple Finch, 4; Pine Siskin, 13; Am. Goldfinch, 59; **Rufous-sided Towhee, 1** (G. A., R. Y.); Slate-colored Junco, 46; Tree Sparrow, 427; White-throated Sparrow, 1; Song Sparrow, 13. **Total,** 40 species; about 4751 individuals. (Seen in area count period, but not on count day: Cooper's Hawk, Screech Owl, Cedar Waxwing.)—Gustave Angst, Brother E. Austin, Guy Bartlett, Elizabeth A. Feldhusen, Mrs. C. G. Grace, Esly Hallenbeck, Mrs. Byron T. Hipple, Jr., Alice Holmes, Mary Johnston, Walter E. Kaskan (compiler), Mary Linch, Mr. and Mrs. Howard L. Malone, Walter B. Sabin, Minnie B. Scotland, Mr. and Mrs. LeRoy Thomas, Robert Yunick (Schenectady Bird Club, Inc.).

109. **Staten Island, N. Y.** (all points within a 15-mile diameter circle, including all of Staten Island and adjacent waters).—Dec. 21; 7 a.m. to 4:30 p.m. Sunny; temp. 16° to 26°; wind NW, 15 m.p.h. Six observers in 4 parties. Total party-hours, 40 (20 on foot, 20 by car); total party-miles, 85 (35 on foot, 50 by car). ► Red-throated Loon, 1; Horned Grebe, 4; Double-crested Cormorant, 5; Mallard, 9; Black Duck, 34; Canvasback, 17; Greater Scaup, 1726; Common Goldeneye, 75; Bufflehead, 37; Oldsquaw, 8; White-winged Scoter, 7; Red-breasted Merganser, 5; Red-tailed Hawk, 3; Rough-legged Hawk, 1; Marsh Hawk, 8; Sparrow Hawk, 8; Ring-necked Pheasant, 25; Clapper Rail, 1; Killdeer, 3; Common Snipe, 4; Sanderling, 20; Great Black-backed Gull, 447; Herring Gull, 15,866; Bonaparte's Gull, 314; Mourning Dove, 3; Yellow-shafted Flicker, 1; Downy Woodpecker, 10; Horned Lark, 72; **Tree Swallow, 2**; Blue Jay, 17; Common Crow, 453; Black-capped Chickadee, 9; Tufted Titmouse, 4; Robin, 3; Starling, 4399; Myrtle Warbler, 2; House Sparrow, 127; Eastern Meadowlark, 1; Redwinged Blackbird, 125; Rusty Blackbird, 7; Common Grackle, 15; Brown-headed Cowbird, 90; Cardinal, 30; Pine Siskin, 19; Am. Goldfinch, 1; Slate-colored Junco, 40; Tree Sparrow, 22; White-throated Sparrow, 43; Fox Sparrow, 4; Swamp Sparrow, 3; Song Sparrow, 47; Snow Bunting, 2. **Total,** 52 species; about 24,179 individuals. (Seen in area count period, but not on count day: Great Blue Heron.)—Howard H. Cleaves, Barbara Cook, Douglas E. Heilbrun, John A. LeMaire, Casimir Redjives, Mathilde P. Weingartner (compiler).

110. **Syracuse, N. Y.** (all points within a 15-mile diameter circle, center Collamer as in previous years).

—Dec. 21; 4 a.m. to 6 p.m. Mostly clear; temp. 5° to 15°; wind NW, 5-15 m.p.h.; most lakes and streams frozen for 2 weeks. Twenty-four observers in 12 parties. Total party-hours, 75 (39 on foot, 36 by car); total party-miles, 450 (50 on foot, 400 by car). ► Pied-billed Grebe, 2; **Canada Goose, 43** (W. E.); Mallard, 47; Black Duck, 198; **Wood Duck, 1** (numerous observers); Greater Scaup, 1; Common Goldeneye, 11; Hooded Merganser, 1; Common Merganser, 12; Goshawk, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 11; Rough-legged Hawk, 4; Marsh Hawk, 1; Sparrow Hawk, 6; Ruffed Grouse, 8; Ring-necked Pheasant, 175; **Am. Coot, 1** (in park pond daily); **Glaucous Gull, 2**; Great Black-backed Gull, 1; Herring Gull, 86; Ring-billed Gull, 6; Mourning Dove, 37; Screech Owl, 3; Great Horned Owl, 16; Long-eared Owl, 2; Short-eared Owl, 3; Belted Kingfisher, 1; Yellow-shafted Flicker, 8; Pileated Woodpecker, 2; Hairy Woodpecker, 29; Downy Woodpecker, 87; **Black-backed Three-toed Woodpecker, 1** (present for some time); Blue Jay, 59; Common Crow, 402; Black-capped Chickadee, 269; White-breasted Nuthatch, 52; Red-breasted Nuthatch, 5; Brown Creeper, 9; Winter Wren, 3; **Catbird, 1** (still present Jan. 10); **Brown Thrasher, 1** (at feeder daily); Robin, 4; Golden-crowned Kinglet, 7; Cedar Waxwing, 88; Northern Shrike, 7; Starling, 4000; House Sparrow, 600; Redwinged Blackbird, 7; **Rusty Blackbird, 1**; Common Grackle, 1; Brown-headed Cowbird, 7; Cardinal, **56**; Evening Grosbeak, 17; Am. Goldfinch, 17; **Rufous-sided Towhee, 2**; Slate-colored Junco, 60; Tree Sparrow, 275; **White-crowned Sparrow, 1** (at feeder, many observers); White-throated Sparrow, 3; Swamp Sparrow, 2; Song Sparrow, 32; Lapland Longspur, 1; Snow Bunting, 50. **Total,** 65 species; about 6850 individuals.—J. Ashley, Mrs. F. Beall, Mrs. H. Bradt, A. Brown, B. Burtt, H. Burtt, L. Chamberlaine, S. Ernst, Mrs. W. Estoff, Mrs. O. Evans, M. Ferris, Mrs. R. Gould, Mrs. T. Harmon, Mrs. C. Huddleston, Mrs. O. Maxwell, W. Minor, David Peakall, Mr. and Mrs. R. Probst, Mrs. J. Rengstorf, Margery Rusk, F. Scheider, Roberta Seaman, W. R. Spofford (compiler) (Onondaga Audubon Society).

111. Troy, N. Y. (all points within a 15-mile diameter circle, center 0.1 mile S of 73° 40′ and 0.3 mile E of 42° 50′; same area and habitat percentages as preceding years).—Dec. 27; 7:30 a.m. to 4 p.m. Mostly clear; temp. 4° to 22°; wind W, 0-3 m.p.h.; slight old snow, only fast waters open. Twelve observers in 4 parties. Total party-hours, 27 (11 on foot, 16 by car); total party-miles, 211 (24 on foot, 187 by car). ► Canada Goose, 30; Mallard, 267; Black Duck, 646; Pintail, 1; **Lesser Scaup, 1** (G. B., E. H.); Common Goldeneye, 45; **Barrow's Goldeneye, 1** (all field marks through scope—W. K., G. L.); **White-winged Scoter, 1**; Common Merganser, 14; Red-breasted Merganser, 4; Red-tailed Hawk, 3; Sparrow Hawk, 2; Ring-necked Pheasant, 10; Mourning Dove, 2; Belted Kingfisher, 1; Hairy Woodpecker, 3; Downy Woodpecker, 15; Blue Jay, 53; Common Crow, 222; Black-capped Chickadee, 81; White-breasted Nuthatch, 9; Brown Creeper, 1; Robin, 6; Golden-crowned Kinglet, 2; Cedar Waxwing, 15; Starling, 605; House Sparrow, 190; Eastern Meadowlark, 2; Brown-headed Cowbird, 1; Cardinal, 1; Evening Grosbeak, 27; Purple Finch, 1; Am. Goldfinch, 44; Slate-colored Junco, 6; Tree Sparrow, 84; White-throated Sparrow, 4; Song Sparrow, 7. **Total,** 37 species; about 2407 individuals. (Seen in area count period, but not on count day: Herring Gull, Common Redpoll.)—Pauline Baker, Guy Bartlett, Esly Hallenbeck, Mr. and Mrs. Byron T. Hipple, Jr., Mary Johnston, Walter E. Kaskan (compiler), Mary B. Kilcawley, Mary Linch, George Lugg, Mr. and Mrs. Howard L. Malone (Schenectady Bird Club, Inc.).

112. Watertown, N. Y. (all points within a 15-mile diameter circle, center Public Square as in previous counts).—Dec. 20; 7:20 a.m. to 5 p.m. Clear; temp. −12° to −4°; wind NE, 3-8 m.p.h.; 8-20-in. old snow, all streams frozen except in swift currents. Fifteen observers in 11 parties. Total party-hours, 30 (23 on foot, 7 by car); total party-miles, 71 (16 on foot, 55 by car). ► Black Duck, 14; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 1; Rough-legged Hawk, 1; Sparrow Hawk, 1; Ruffed Grouse, 13; Ring-necked Pheasant, 19; Gray Partridge, **46**; **Virginia Rail, 2** (seen daily for weeks); Herring Gull, 3; Hairy Woodpecker, 6; Downy Woodpecker, 12; Blue Jay, 23; Common Crow, 7; Black-capped Chickadee, 61; White-breasted Nuthatch, 5; Brown Creeper, 4; **Mockingbird, 1** (seen several times during Dec.); Robin, 1; Cedar Waxwing, 10; Starling, 803; House Sparrow, 292; Cardinal, 4; Evening Grosbeak, 1; Am. Goldfinch, 2; Tree Sparrow, 70; **White-throated Sparrow, 1**; Song Sparrow, 3; Snow Bunting, 25. **Total,** 30 species; about 1434 individuals. (Seen in area count period, but not on count day: Common Goldeneye, Red-breasted Nuthatch, Common Redpoll, Redwinged Blackbird.)—Arthur W. Allen, John Bedford, Frank A. Clinch (compiler), Marie Elitharp, Joseph Ellis, Jr., David Gordon, Lucile Grant, Charles Mayhood, Jane Naughton, Robert Nelson, Arthur Salisbury, Erma Schell, Mrs. Richard Taylor, Arthur Walrath, Harold T. Wiley.

113. Watkins Glen, N. Y. (all points within a 15-mile diameter circle, center Franklin and 4th Sts., including Seneca Lake waterfront, Salt Point Rd., Montour Falls, roadsides in towns of Reading, Dix, Burdett and Catharine, State Park; open fields 55%, deciduous and evergreen woods 20%, lake front 20%, suburbs 5%).—Dec. 28; 7 a.m. to 4:30 p.m. Clear, except misty lake; temp. 28° to 40°; wind SSE, 2-10 m.p.h.; 3-in. snow, ponds frozen, streams partly frozen. Twelve observers in 5 parties. Total party-hours, 25 (15 on foot, 10 by car); total party-miles, 102 (18 on foot, 84 by car). ► Common Loon, 1; Horned Grebe, 11; Great Blue Heron, 1; Black Duck, 55; Canvasback, 41; Common Merganser, 21; Red-tailed Hawk, 1; Sparrow Hawk, 1; Ruffed Grouse, 1; Ring-necked Pheasant, 5; Herring Gull, 301; Ring-billed Gull, 15; Mourning Dove, 3; Yellow-shafted Flicker, 1; Hairy Woodpecker, 13; Downy Wood-

pecker, 47; Blue Jay, 57; Common Crow, 91; Black-capped Chickadee, 227; White-breasted Nuthatch, 54; Brown Creeper, 5; Carolina Wren, 5; Golden-crowned Kinglet, 7; Cedar Waxwing, 32; Starling, 160; House Sparrow, 286; Common Grackle, 1; Brown-headed Cowbird, 24; Cardinal, 47; Am. Goldfinch, 52; Slate-colored Junco, 44; Tree Sparrow, 203; Song Sparrow, 5; Snow Bunting, 100. **Total,** 34 species; about 1918 individuals. (Seen in area count period, but not on count day: Marsh Hawk, Killdeer, Great Black-backed Gull, Robin, Myrtle Warbler, Evening Grosbeak.)—Jamesine Bardeen (compiler), Morris Bardeen, Mrs. L. J. Beardsley, Mrs. Frank Brown, Jack Brubaker, Ruth H. Champion, Albert W. Fudge, Louise Helfer, Louise Hope, Arthur Kopp, Frieda S. Looker, Mrs. Anna Robinson (Watkins–Montour Bird Club).

114. **Barnegat, N. J.** (all points within a 15-mile diameter circle, center near Surf City as in 1946 and subsequent years).—Dec. 28; 5:30 a.m. to 5 p.m. Mostly cloudy; temp. 34° to 42°; wind NNE, 4-12 m.p.h.; ground bare, Barnegat Bay and creeks ¾ frozen. Twenty-two observers in 6 parties. Total party-hours, 75 (55 on foot, 20 by car); total party-miles, 150 (55 on foot, 95 by car). ► Common Loon, 8; Red-throated Loon, 13; Horned Grebe, 400; **Western Grebe, 1** (all field marks clear thru 90x scope—L. W. party); Great Cormorant, 6; Double-crested Cormorant, 1; Great Blue Heron, 20; Common Egret, 1; Black-crowned Night Heron, 1; Am. Bittern, 4; Canada Goose, 21; Brant, 10,500; Black Duck, 572; Green-winged Teal, 1; Am. Widgeon, 2; Redhead, 29; Canvasback, 78; Greater Scaup, 17,000; Common Goldeneye, 168; Bufflehead, 340; Oldsquaw, 458; Common Eider, 5; White-winged Scoter, 50; Common Scoter, 13; Hooded Merganser, 2; Common Merganser, 3; Red-breasted Merganser, 138; Turkey Vulture, 14; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Rough-legged Hawk, 3; Bald Eagle, 2; Marsh Hawk, 11; Sparrow Hawk, 9; Bobwhite, 7; Clapper Rail, 3; Virginia Rail, 1; Black-bellied Plover, 3; Common Snipe, 4; Purple Sandpiper, 153; Dunlin, 650; Sanderling, 350; Great Black-backed Gull, 122; Herring Gull, 580; Ring-billed Gull, 42; **Black-headed Gull, 1** (C. C., A. C.); Laughing Gull, 1 (C. C., A. C.); Bonaparte's Gull, 3; Mourning Dove, 24; Screech Owl, 1; Great Horned Owl, 2; Barred Owl, 1; Long-eared Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 14; Hairy Woodpecker, 8; Downy Woodpecker, 24; Horned Lark, 63; Tree Swallow, 10; Blue Jay, 104; Common Crow, 86; Carolina Chickadee, 66; Tufted Titmouse, 16; White-breasted Nuthatch, 4; Brown Creeper, 6; Carolina Wren, 15; Short-billed Marsh Wren, 1; Mockingbird, 5; Catbird, 6; Brown Thrasher, 3; Robin, 252; Hermit Thrush, 5; Eastern Bluebird, 3; Cedar Waxwing, 4; Starling, 1100; Myrtle Warbler, 695; House Sparrow, 300; Eastern Meadowlark, 11; Redwinged Blackbird, 26; Common Grackle, 1; Brown-headed Cowbird, 3; Cardinal, 67; Evening Grosbeak, 2; Purple Finch, 39; Am. Goldfinch, 120; Rufous-sided Towhee, 1; Ipswich Sparrow, 14; Savannah Sparrow, 72; Sharp-tailed Sparrow, 10; Seaside Sparrow, 11; Vesper Sparrow, 1; Slate-colored Junco, 53; Tree Sparrow, 177; Field Sparrow, 18; **White-crowned Sparrow, 1** (carefully identified); White-throated Sparrow, 167; Fox Sparrow, 25; Swamp Sparrow, 34; Song Sparrow, 126; Lapland Longspur, 5; Snow Bunting, 94. **Total,** 101 species; about 35,695 individuals.—Irving Black, Thomas Butler, Ann Chamberlain, Charles Collins, John Crowell, Pat Frohling, Robert Frohling, Douglas Gill, Frank Gill, Charles Hetzel, Arnold Hoiberg, Jay Hoiberg, Joseph Jehl, Jr., Donald Kunkle (compiler), Bertram Murray, Jr., Nick Niosi, William Osborn, Richard Thorsell, Elaine Walsh, Lester Walsh, Charles Weisel, Peter Westcott.

115. **Boonton, N. J.** (all points within a 15-mile diameter circle, center Troy Hills; same habitat percentages as last year).—Dec. 21; 5 a.m. to 5 p.m. Clear; temp. 5° to 21°; wind NW, 25 m.p.h.; trace of old snow, reservoirs and lakes frozen. Nineteen observers in 6 parties. Total party-hours, 66 (31 on foot, 33 by car, 2 by canoe); total party-miles, 240 (40 on foot, 198 by car, 2 by canoe). ► Mute Swan, 1; Canada Goose, 9; Mallard, 401; Black Duck, 292; Gadwall, 8; Green-winged Teal, 1; Am. Widgeon, 32; Wood Duck, 8; Redhead, 1; Greater Scaup, 1; Cooper's Hawk, 1; Red-tailed Hawk, 10; Red-shouldered Hawk, 3; Sparrow Hawk, 3; Ruffed Grouse, 7; Ring-necked Pheasant, 2; Virginia Rail, 4; Killdeer, 1; Herring Gull, 1; Ring-billed Gull, 1; Mourning Dove, 23; Screech Owl, 13; Great Horned Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 17; Hairy Woodpecker, 9; Downy Woodpecker, 80; Horned Lark, 67; Blue Jay, 115; Common Crow, 227; Black-capped Chickadee, 199; Tufted Titmouse, 108; White-breasted Nuthatch, 40; Brown Creeper, 8; Winter Wren, 1; Carolina Wren, 7; Long-billed Marsh Wren, 2; Robin, 17; Hermit Thrush, 3; Eastern Bluebird, 11; Golden-crowned Kinglet, 4; Water Pipit, 41; Cedar Waxwing, 43; Starling, 5359; Myrtle Warbler, 4; House Sparrow, 470; Eastern Meadowlark, 1; Redwinged Blackbird, 74; Rusty Blackbird, 56; Cardinal, 69; Evening Grosbeak, 1; Purple Finch, 14; Pine Siskin, 1; Am. Goldfinch, 59; Rufous-sided Towhee, 1; Savannah Sparrow, 9; Slate-colored Junco, 233; Tree Sparrow, 855; Field Sparrow, 43; White-throated Sparrow, 156; Fox Sparrow, 8; Swamp Sparrow, 14; Song Sparrow, 127; Lapland Longspur, 1. **Total,** 64 species; about 9379 individuals.—A. Barber, I. Black, G. Breck, T. Butler, F. Frazier, Jr., D. Gill, F. Gill, A. Hoiberg, J. Jehl, Jr., G. LaStatione, C. Lester, C. Lincoln, B. Murray, N. Niosi, H. Romine, A. Schnitzer, R. Thorsell, P. Westcott, F. Wolfarth (compiler).

116. **Bridgeton, N. J.** (all points within a 15-mile diameter circle, center at Cedarville to include Sea Breeze and Fortescue on Delaware Bay; all observations in Cumberland County; suburbs 1%, mixed woodlands 10%, salt marsh 30%, plowed land 40%, fresh-water ponds and streams 15%, salt water 4%).—Dec. 21; 6 a.m. to 5 p.m. Clear; temp. 32° to 24°; wind NW, 20-25 m.p.h.; fresh-water ponds frozen. Eight observers in 6 parties. Total party-hours, 42

(12 on foot, 30 by car); total party-miles, 306 (33 on foot, 273 by car). ► Pied-billed Grebe, 2; Great Blue Heron, 3; Black-crowned Night Heron, 1; Canada Goose, 1; Brant, 8; Snow Goose, 5; Mallard, 81; Black Duck, 491; Pintail, 3; Green-winged Teal, 5; duck (sp.), 50; Am. Widgeon, 4; Ring-necked Duck, 63; Greater Scaup, 26; Common Goldeneye, 6; Hooded Merganser, 1; Common Merganser, 6; Turkey Vulture, 200; Red-tailed Hawk, 6; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Bald Eagle, 5; Marsh Hawk, 16; Pigeon Hawk, 1; Sparrow Hawk, 15; Bobwhite, 59; Ring-necked Pheasant, 3; Clapper Rail, 1; Killdeer, 2; Am. Woodcock, 1; Common Snipe, 7; Greater Yellowlegs, 3; Dunlin, 74; Great Black-backed Gull, 17; Herring Gull, 728; Ring-billed Gull, 26; Mourning Dove, 57; Great Horned Owl, 2; Short-eared Owl, 2; Belted Kingfisher, 2; Yellow-shafted Flicker, 6; Red-bellied Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 20; Blue Jay, 90; Common Crow, 676; Fish Crow, 28; Carolina Chickadee, 52; Tufted Titmouse, 21; White-breasted Nuthatch, 2; Brown Creeper, 1; Winter Wren, 1; Carolina Wren, 7; Mockingbird, 6; Brown Thrasher, 1; Robin, 223; Hermit Thrush, 1; Eastern Bluebird, 8; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 1; Starling, 1171; Myrtle Warbler, 1; House Sparrow, 381; Eastern Meadowlark, 97; Redwinged Blackbird, 1926; Boat-tailed Grackle, 17; Common Grackle, 3428; Brown-headed Cowbird, 203; Cardinal, 81; Am. Goldfinch, 226; Rufous-sided Towhee, 4; Savannah Sparrow, 24; Slate-colored Junco, 126; Tree Sparrow, 19; Field Sparrow, 110; White-throated Sparrow, 164; Swamp Sparrow, 5; Song Sparrow, 111. **Total,** 78 species; about 11,228 individuals.—M. S. Cottrell, Mrs. Frank Cortelyou, Jr., Donald E. Kunkle, B. K. Matlack (compiler), Mrs. Leslie Myatt, J. S. Quickmire, Jr., Mrs. James Randolph, Mrs. John A. Webb.

117. Cape May, N. J. (all points within a 15-mile diameter circle, center Rio Grande as in previous counts).—Dec. 28; 5 a.m. to 4:30 p.m.; temp. 34° to 40°; wind NE, 5-10 m.p.h.; coldest Dec. in 41 years, most fresh water frozen over, much ice in brackish water, two 4-in. snow falls previous week. Forty-seven observers in 8 parties. Total party-hours, 72 (50 on foot, 18 by car, 4 by boat); total party-miles, 425 (125 on foot, 270 by car, 30 by boat). ► Common Loon, 15; Red-throated Loon, 37; Red-necked Grebe, 1; Horned Grebe, 113; Pied-billed Grebe, 16; Double-crested Cormorant, 2; Great Blue Heron, 40; Little Blue Heron, 2; Common Egret, 1; Snowy Egret, 1; Black-crowned Night Heron, 34; Am. Bittern, 6; Canada Goose, 10; Brant, **45,000**; Mallard, 100; Black Duck, **8000**; Gadwall, 1; Pintail, 5; Green-winged Teal, 2; Am. Widgeon, 100; Shoveler, 4; Wood Duck, 3; Redhead, 1; Ring-necked Duck, 4; Canvasback, 11; Greater Scaup, **3800**; Lesser Scaup, 70; Common Goldeneye, **250**; Bufflehead, **1700**; Oldsquaw, 550; **Harlequin Duck, 1** (Cadbury party); White-winged Scoter, 1500; Surf Scoter, 10; Common Scoter, 600; Ruddy Duck, 55; Hooded Merganser, 16; Common Merganser, **250**; Red-breasted Merganser, 140; Turkey Vulture, 100; **Goshawk, 1**; Sharp-shinned Hawk, 2; Cooper's Hawk, 8; Red-tailed Hawk, 16; Red-shouldered Hawk, 11; Rough-legged Hawk, 3; Bald Eagle, 3; Marsh Hawk, 39; Pigeon Hawk, 1; Sparrow Hawk, 46; Bobwhite, 11; Ring-necked Pheasant, 3; Clapper Rail, 28; Am. Coot, 80; Killdeer, 33; Black-bellied Plover, 120; Ruddy Turnstone, 1; Am. Woodcock, 6; Common Snipe, **20**; Purple Sandpiper, **136**; Dunlin, 4750; Semipalmated Sandpiper, 51; Western Sandpiper, 2; Sanderling, 550; Great Black-backed Gull, 223; Herring Gull, 15,000; Ring-billed Gull, 350; Bonaparte's Gull, 39; Mourning Dove, 103; Screech Owl, 1; Great Horned Owl, **11**; Short-eared Owl, 2; Belted Kingfisher, 9; Yellow-shafted Flicker, 85; Hairy Woodpecker, 8; Downy Woodpecker, 54; Horned Lark, 116; Tree Swallow, 200; **Barn Swallow, 1** (experienced observers); Blue Jay, 550; Common Crow, 13,000; Fish Crow, 200; Carolina Chickadee, 200; Tufted Titmouse, 66; Red-breasted Nuthatch, 4; Brown Creeper, 3; Carolina Wren, 55; marsh wren (sp.), 1; Mockingbird, 82; Catbird, 9; Brown Thrasher, 8; Robin, 2400; Hermit Thrush, 11; Eastern Bluebird, 39; Golden-crowned Kinglet, 8; Ruby-crowned Kinglet, 1; Water Pipit, 43; Cedar Waxwing, 6; Starling, 22,000; Myrtle Warbler, 6400; Yellowthroat, 1; House Sparrow, 1400; Eastern Meadowlark, 600; Redwinged Blackbird, 9100; Rusty Blackbird, 32; **Boat-tailed Grackle, 15** (2 parties); Common Grackle, 4200; Brown-headed Cowbird, 5000; Cardinal, 350; Purple Finch, 53; Pine Siskin, 2; Am. Goldfinch, 450; Rufous-sided Towhee, 120; Ipswich Sparrow, 8; Savannah Sparrow, 57; Sharp-tailed Sparrow, 10; Seaside Sparrow, 2; Vesper Sparrow, 6; Slate-colored Junco, 225; Tree Sparrow, 200; Chipping Sparrow, 2; Field Sparrow, 225; **White-crowned Sparrow, 4** (J. K. P.); White-throated Sparrow, 1000; Fox Sparrow, 130; Swamp Sparrow, 44; Song Sparrow, 500; Lapland Longspur, 3; Snow Bunting, 150. **Total,** 128 species; about 153,648 individuals.—E. C. Archer, W. J. Bailey, D. E. Batezel, K. Boergstrom, A. Brady, J. and J. M. Cadbury, E. A. Choate (compiler), R. Carter, L. Corn, B., D., and H. Cutler, J. N. Felix, E. Gibson, H. and E. A. Guthrie, B. S. Haines, S. T. Harty, J. Jacobs, R. W. Leeds, A. Linton, D. L. Marshall, E. Marshall, E. W. Marshall, Jr., J. McIlvaine, P. McCord, J. Michener, J. Moore, J. R. Moore, J. C. Miller, A. Nicholson, Jr., J Penniston, R. Pierce, J. K. Potter, E. J. Reimann, G. B. Reynard, J. L. Sawyer, R. Smyth, F. Stokes, Jr., P. B. Street, F. A. Ulmer, Jr., A. J. and M. Webster, E. Wildman, C. A. Wonderly.

118. Great Swamp–Watchung Ridges, N. J. (all points within a 15-mile diameter circle, center New Providence; woodland 40%, open fields 30%, swamp 20%, river fronts 8%, garbage dumps 2%, 28 feeding stations).—Dec. 27; 8 a.m. to 4:30 p.m. Fair a.m., partial cloudy p.m.; temp. 10° to 38°; wind SW, 5-10 m.p.h.; no snow, rivers frozen. Twenty-six observers in 8 parties. Total party-hours, 66 (48 on foot, 18 by car); total party-miles, 170 (46 on foot, 124 by car). ► Mallard, 171; Black Duck, 11; Gadwall, 1; Cooper's Hawk, 2; Red-

tailed Hawk, 3; Red-shouldered Hawk, 6; Sparrow Hawk, 7; Ruffed Grouse, 1; Bobwhite, 1; Ring-necked Pheasant, 14; Herring Gull, 569; **Ring-billed Gull,** 1; Mourning Dove, 194; Screech Owl, 1; Great Horned Owl, 2; Barred Owl, 1; Belted Kingfisher, 6; Yellow-shafted Flicker, 24; Pileated Woodpecker, 5; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 48; Downy Woodpecker, 178; Horned Lark, 30; Blue Jay, 269; Common Crow, 185; Black-capped Chickadee, 361; Tufted Titmouse, 371; White-breasted Nuthatch, 171; Red-breasted Nuthatch, 16; Brown Creeper, 17; Winter Wren, 1; Carolina Wren, 4; **Mockingbird, 2**; **Catbird, 5**; **Brown Thrasher,** 1; Robin, 21; Hermit Thrush, 2; Eastern Bluebird, 34; Golden-crowned Kinglet, 19; Ruby-crowned Kinglet, 1; Cedar Waxwing, 164; Starling, 1644; Myrtle Warbler, 53; House Sparrow, 720; Eastern Meadowlark, 51; Redwinged Blackbird, 168; Rusty Blackbird, 1; Common Grackle, 16; Brown-headed Cowbird, 243; Cardinal, 167; Purple Finch, 40; Common Redpoll, 5; Pine Siskin, 1; Am. Goldfinch, 199; **Rufous-sided Towhee, 4**; Slate-colored Junco, 865; Tree Sparrow, 988; Field Sparrow, 51; White-throated Sparrow, 401; Fox Sparrow, 13; Swamp Sparrow, 16; Song Sparrow, 175. **Total,** 62 species; about 8742 individuals. (Seen in area count period, but not on count day: Saw-whet Owl.)—David Adam, Mrs. F. L. Bower, Mrs. F. D. Beidleman, Mrs. C. T. Downey, Louis Ellenson, Mr. and Mrs. James W. Hand, Mrs. George Johnson, Mr. and Mrs. Robert W. Krebs, Julia Krebs, Jeannette Middlebrook (compiler), Virginia Middlebrook, John T. Neal, Courtney Norwine, Conrad Ogden, Hadley Roe, Mr. and Mrs. Fred Rolf, Fred Sacksteder, Mrs. C. B. Schaughency, Mr. and Mrs. Albert Schnitzer, Lois Wenman, Mrs. John R. Whitlock, Mrs. F. S. Wolpert.

119. **Hackensack–Ridgewood, N. J.** (all points within a 15-mile diameter circle, center on River Edge Bridge; north to N. Y. State line, south to Paterson Plank Road, east to Hudson River, west to Passaic River; woodland 30%, residential 29%, swamp 5%, brushy fields 5%, marsh 8%, river and lake fronts 21%, dumps 1%, cemeteries 1%, 8 feeding stations).—Dec. 27; 7 a.m. to 5 p.m. Clear; temp. 12° to 41°; no wind; ground bare, most water frozen. Forty-seven observers in 17 parties. Total party-hours, 92 (73 on foot, 19 by car); total party-miles, 274 (66 on foot, 208 by car). ► Canada Goose, 216; **Brant, 35** (flying up Hudson—D. R.); Mallard, 1011; Black Duck, 539; Pintail, 1; Canvasback, 360; Lesser Scaup, 8; Common Goldeneye, 40; Bufflehead, 1; Common Merganser, 18; Cooper's Hawk, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 4; Marsh Hawk, 2; Sparrow Hawk, 23; Ring-necked Pheasant, 6; **Common Snipe, 1**; Great Black-backed Gull, **81**; Herring Gull, **4750**; Ring-billed Gull, **528**; Bonaparte's Gull, 14; Mourning Dove, **145**; Great Horned Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 10; Pileated Woodpecker, 1; **Yellow-bellied Sapsucker,** 1; Hairy Woodpecker, 21; Downy Woodpecker, 62; **Black-backed Three-toed Woodpecker, 2** (seen by 10 observers since count day); Horned Lark, 11; Blue Jay, 212; Common Crow, 106; Black-capped Chickadee, 172; Tufted Titmouse, 114; White-breasted Nuthatch, 54; Brown Creeper, 10; Winter Wren, 3; Carolina Wren, 10; **Catbird, 1**; **Brown Thrasher, 1**; Robin, 4; Eastern Bluebird, 4; Golden-crowned Kinglet, 10; Ruby-crowned Kinglet, 3; Cedar Waxwing, **112**; Starling, 2760±; Myrtle Warbler, 73; House Sparrow, 469; Redwinged Blackbird, 194; Rusty Blackbird, 19; Common Grackle, 17; Brown-headed Cowbird, 102; Cardinal, 107; **Evening Grosbeak, 1**; Purple Finch, 3; Pine Siskin, 7; Am. Goldfinch, 97; Rufous-sided Towhee, 11; Savannah Sparrow, 6; Vesper Sparrow, 1; Slate-colored Junco, **380**; Tree Sparrow, **210**; Field Sparrow, 29; White-throated Sparrow, 248; Fox Sparrow, 11; Swamp Sparrow, 10; Song Sparrow, 270. **Total,** 68 species; about 13,737 individuals. (Seen in area count period, but not on count day: Green-winged Teal, White-winged Scoter, Belted Kingfisher, Common Grackle.) —E. R. Abeles, J. Albera, Mrs. H. T. Armitt, H. T. Armitt, G. Austin, A. F. Barber, A. Bihun, Jr., J. C. Demarest, W. S. Downin, Mrs. N. F. Emig, N. F. Emig, G. C. Engel, Mrs. G. Fetter, H. S. Fisher, R. Gill, Mrs. H. J. Kemp, Jr., H. J. Kemp, Jr., M. Kuhnen, Mrs. R. S. Livingston, Mrs. T. W. Lorah, Mrs. R. W. Maisch, Mrs. F. J. McKenna, F. J. McKenna, Mrs. W. Mender, Mrs. E. Metzel, Jr., D. Mouillesseaux, Mrs. E. A. Nugent, Mrs. P. M. O'Blenis, P. M. O'Blenis, D. Pallas, Mrs. D. Reville, Mrs. H. C. Richmond, Mrs. F. J. Root, Mrs. D. A. Roser, D. A. Roser, Mrs. H. E. Rowlands, Mrs. P. A. Ruby, P. A. Ruby, L. Sandford, F. R. Schetty (compiler), Mrs. E. G. Smith, E. G. Smith, H. Stringer, Mrs. J. Van Saun, Mrs. W. S. Willis, E. Wundling.

120. **High Point State Park, N. J.** (all points within a 15-mile diameter circle, center intersection of Deckertown Pike and Crigger Road, south to Sussex County's count, north to N. Y. State line, west across Delaware River into Pa.; deciduous forest 50%, evergreens 5%, Scrub Oak 5%, cultivated farmland 20%, uncultivated fields 20%).—Dec. 21; 6:45 a.m. to 5:15 p.m. Clear; temp. 4° to 12°; wind NW, 8-15 m.p.h.; ground mostly bare, lakes and part of river ice-bound. Twenty-three observers in 8 parties. Total party-hours, 51 (9 on foot, 42 by car); total party-miles, 438 (11 on foot, 427 by car). ► Mute Swan, 2; Mallard, 1; Black Duck, 1; Common Merganser, 22; Red-tailed Hawk, 4; Red-shouldered Hawk, 3; Bald Eagle, 1; Marsh Hawk, 1; Sparrow Hawk, 1; Ruffed Grouse, 18; Ring-necked Pheasant, 1; Yellow-shafted Flicker, 7; Pileated Woodpecker, 4; Hairy Woodpecker, 6; Downy Woodpecker, 25; Blue Jay, 158; Common Crow, 482; Black-capped Chickadee, 123; Tufted Titmouse, 5; White-breasted Nuthatch, 31; Brown Creeper, 1; Robin, 3; **Hermit Thrush, 1**; Golden-crowned Kinglet, 6; Ruby-crowned Kinglet, 1; Cedar Waxwing, 98; Starling, 1157; House Sparrow, 734; Eastern Meadowlark, 1; Brown-headed Cowbird, 2; Cardinal, 6; Evening Grosbeak, 61; Purple Finch, 16; Pine Grosbeak, 2; Common Redpoll, 1; Am. Goldfinch, 184; **Rufous-sided Towhee, 1**; Slate-colored Junco, 341; Tree Sparrow, 452; **Field Sparrow, 1**; White-throated Sparrow, 2. **Total,**

41 species; about 3967 individuals. (Seen in area count period, but not on count day: Red-breasted Nuthatch.)—Allen and Ella Black, Roy Burgess, Louis and Elizabeth Cherepy, H. Vinton and Eleanor Coes, William Colby, Ben Cummings, Walter and Hazel Goelitz, Floyd and Anne Hopper, Floyd Hopper, Jr., George Johnson, Charles and Barbara Kientzler, Charles and Anita Kientzler, Dryden Kuser (compiler), Grace Kuser, Kenneth Marron, Beverly Post.

121. Lakehurst, N. J. (all points within a 15-mile diameter circle, center near Silverton; Lakehurst to Lakewood, Point Pleasant, Seaside Heights, Toms River; pine woods 25%, ocean 15%, farmland 15%, towns 15%, bays and ponds 10%, marshes 10%, beach front 10%).—Dec. 26; 6 a.m. to 6 p.m. Fair; temp. 4° to 31°; wind NW, 5-35 m.p.h. Thirteen observers in 5 parties. Total party-hours, 58 (10 on foot, 48 by car); total party-miles, 220 (25 on foot, 195 by car). ► Common Loon, 28; Red-throated Loon, 22; Horned Grebe, 200; Pied-billed Grebe, 26; Gannet, 4; Great Cormorant, 6; Double-crested Cormorant, 12; Great Blue Heron, 6; Black-crowned Night Heron, 1; Mute Swan, 10; Canada Goose, 3; Brant, 9; Snow Goose, 3; Mallard, 321; Black Duck, 135; Gadwall, 1; Pintail, 1; **Blue-winged Teal, 1**; Am. Widgeon, 525; Redhead, 56; Ring-necked Duck, 2; Canvasback, 30; Greater Scaup, 250; Common Goldeneye, 235; Bufflehead, 85; Oldsquaw, 2; White-winged Scoter, 13; Surf Scoter, 8; Common Scoter, 7; Ruddy Duck, 7; Hooded Merganser, 4; Common Merganser, 20; Red-breasted Merganser, 150; Turkey Vulture, 3; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Sparrow Hawk, 3; Bobwhite, 1; Ring-necked Pheasant, 1; Am. Coot, 27; Killdeer, 7; **Am. Woodcock, 1**; Sanderling, 21; Great Black-backed Gull, 51; Herring Gull, 1620; Ring-billed Gull, 50; Bonaparte's Gull, 3; Mourning Dove, 40; Screech Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 2; Hairy Woodpecker, 6; Downy Woodpecker, 20; Horned Lark, 15; Blue Jay, **213**; Common Crow, **278**; Fish Crow, 7; Black-capped Chickadee, 3; Carolina Chickadee, **156**; Tufted Titmouse, **111**; White-breasted Nuthatch, 8; Red-breasted Nuthatch, 1; Brown Creeper, 8; Winter Wren, 1; Carolina Wren, **9**; Catbird, 1; Brown Thrasher, 1; Robin, **317**; Hermit Thrush, 4; Eastern Bluebird, 15; Golden-crowned Kinglet, 26; Cedar Waxwing, 11; Starling, 820; Myrtle Warbler, 300; House Sparrow, 200; Eastern Meadowlark, **86**; Redwinged Blackbird, 19; Common Grackle, 81; Brown-headed Cowbird, 22; Cardinal, **64**; Evening Grosbeak, 2; Purple Finch, 9; Am. Goldfinch, 39; Savannah Sparrow, 1; Sharp-tailed Sparrow, 4; Seaside Sparrow, 1; Slate-colored Junco, 90; Tree Sparrow, 55; Field Sparrow, **34**; White-throated Sparrow, 177; Fox Sparrow, 2; Swamp Sparrow, 19; Song Sparrow, 55. **Total,** 95 species; about 7312 individuals.—Irving Black, John Crowell, David Fables (compiler), Doug Gill, Frank Gill, Charles Lincoln, John McDougald, Bertram Murray, Carol Straus, Gary Straus, Harvey Straus, Milton Straus, Floyd Wolfarth.

122. Long Branch, N. J. (all points within a 15-mile diameter circle, center near Wayside; bays and ponds 30%, beach front 20%, brushy fields 15%, farmlands 10%, marshes 10%, woods 10%, residential 5%).—Dec. 27; 6 a.m. to 5 p.m. Clear; temp. 14° to 30°; wind W, 5 m.p.h.; no snow, ponds frozen. Twenty-six observers in 9 parties. Total party-hours, 87 (56 on foot, 31 by car); total party-miles, 454 (62 on foot, 392 by car). ► Common Loon, 16; Red-throated Loon, 12; Horned Grebe, 337; Pied-billed Grebe, 6; Gannet, 1; Great Cormorant, **84**; Double-crested Cormorant, 30; Great Blue Heron, 11; Black-crowned Night Heron, 1; Am. Bittern, 1; Mute Swan, 5; Canada Goose, 197; Brant, 1; Mallard, 310; Black Duck, 618; Gadwall, 19; Pintail, 6; Green-winged Teal, 2; European Widgeon, 1; Am. Widgeon, 1015; Redhead, 2; Ring-necked Duck, 21; Canvasback, 4; Greater Scaup, 1512; Lesser Scaup, 2; scaup (sp.), 756; Common Goldeneye, 41; Bufflehead, 87; Oldsquaw, 3; White-winged Scoter, 5; Surf Scoter, 9; Common Scoter, 1; Ruddy Duck, 333; Hooded Merganser, 4; Common Merganser, 47; Red-breasted Merganser, 109; Turkey Vulture, 1; Cooper's Hawk, 2; Red-tailed Hawk, 4; Red-shouldered Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 17; Bobwhite, 36; Ring-necked Pheasant, 13; Clapper Rail, 6; Virginia Rail, 1; Am. Coot, 91; Killdeer, 10; Common Snipe, 1; Sanderling, 116; **Glaucous Gull, 1** (B. E., J. L.); Great Black-backed Gull, 62; Herring Gull, 6318; Ring-billed Gull, 253; Laughing Gull, 1; Bonaparte's Gull, 151; **Dovekie, 1** (5 observers); **Black Guillemot, 1** (well seen at 200 yards with 30x scope—D. K., C. H., N. N.); Mourning Dove, 126; Barn Owl, 2; Screech Owl, 2; Great Horned Owl, 2; Long-eared Owl, 1; Belted Kingfisher, 6; Yellow-shafted Flicker, 17; Hairy Woodpecker, 5; Downy Woodpecker, 41; Horned Lark, 104; Blue Jay, 119; Common Crow, 280; Fish Crow, 12; Black-capped Chickadee, 5; Carolina Chickadee, 103; Tufted Titmouse, 64; White-breasted Nuthatch, 13; Brown Creeper, 2; Winter Wren, 1; Carolina Wren, 15; Long-billed Marsh Wren, 2; Mockingbird, 2; Catbird, 2; Brown Thrasher, 2; Robin, 150; Hermit Thrush, 2; Eastern Bluebird, 4; Golden-crowned Kinglet, 8; Cedar Waxwing, 35; **Loggerhead Shrike, 1**; Starling, 4685; Myrtle Warbler, 217; House Sparrow, 403; Eastern Meadowlark, 15; Redwinged Blackbird, 227; Rusty Blackbird, 3; Common Grackle, 4428; Brown-headed Cowbird, 117; Cardinal, 95; Purple Finch, 8; Am. Goldfinch, 111; Ipswich Sparrow, 1; Savannah Sparrow, 6; Sharp-tailed Sparrow, 1; Seaside Sparrow, 1; **Vesper Sparrow, 3**; Slate-colored Junco, 263; Tree Sparrow, 68; Field Sparrow, **94**; White-throated Sparrow, 364; Fox Sparrow, 9; Swamp Sparrow, 13; Song Sparrow, 227. **Total,** 110 species; about 25,184 individuals. (Seen in area count period, but not on count day: Snow Goose, Rufous-sided Towhee.)—I. H. Black, Ann Chamberlain, C. T. Collins, J. De Canio, Margaret Duncombe, B. Einhorn, D. Gill, F. Gill, Mrs. J. Guttman, Mrs. M. Hampton, A. T. Hallowell, C. Hetzel, J. Jehl, Jr., D. Kunkle, J. T. Lovett, Mrs. J. T. Lovett, N. Niosi, N. Pettingell, Grace Reeves, W. F. Sandford, G. M. Seeley (compiler), R. Sell, P. Westcott,

M. S. Whaley, Mrs. M. S. Whaley, E. Wisner.

123. **Moorestown–Maple Shade–Riverton, N. J.** (all points within a 15-mile diameter circle, center where N. J. Turnpike goes over South Church Street in Moorestown; farmland 41%, deciduous woods 22%, town suburbs 18%, riverfront 9%, wet brushy meadows 9%, evergreen woods 1%).—Dec. 21; 7 a.m. to 5 p.m. Clear; temp. 18° to 28°; wind NW to N, 0-20 m.p.h.; ground bare, still water frozen. Fifty observers in 29 parties. Total party-hours, 99 (53 on foot, 18 by car, 28 at feeders); total party-miles, 205 (50 on foot, 155 by car). ► Canada Goose, 46; Mallard, 98; Black Duck, 42; Pintail, 300; Common Merganser, 100; Red-breasted Merganser, 2; Turkey Vulture, 25; Cooper's Hawk, 1; Red-tailed Hawk, 8; Marsh Hawk, 1; Peregrine Falcon, 1; Sparrow Hawk, 24; Ruffed Grouse, 2; Bobwhite, 11; Ring-necked Pheasant, 25; Killdeer, 51; Common Snipe, 1; **Great Black-backed Gull, 8**; Herring Gull, 208; Ring-billed Gull, 4; Mourning Dove, 463; Barn Owl, 1; Screech Owl, 3; Great Horned Owl, 1; Long-eared Owl, 2; Yellow-shafted Flicker, 20; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 6; Downy Woodpecker, 58; Horned Lark, 275; Blue Jay, 116; Common Crow, 710; Fish Crow, 6; Black-capped Chickadee, 5; Carolina Chickadee, 166; Tufted Titmouse, 35; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 2; Brown Creeper, 5; Winter Wren, 3; Carolina Wren, 6; Mockingbird, 38; Robin, 32; Eastern Bluebird, 4; Golden-crowned Kinglet, 17; Water Pipit, 250; Cedar Waxwing, 5; Starling, 3080; Myrtle Warbler, 24; House Sparrow, 901; Eastern Meadowlark, 80; Redwinged Blackbird, 15; Common Grackle, 2; Brown-headed Cowbird, 2; Cardinal, 121; Pine Siskin, 7; Am. Goldfinch, 64; Rufous-sided Towhee, 1; Savannah Sparrow, 5; Slate-colored Junco, 578; Tree Sparrow, 185; Field Sparrow, 83; White-crowned Sparrow, 2; White-throated Sparrow, 694; Fox Sparrow, 4; Swamp Sparrow, 1; Song Sparrow, 296. **Total,** 67 species; about 9435 individuals.—S. Aldridge, G. and L. Allyn, M. Barrett, C. Bowers, C. Carter, T. Carroll, B. and L. Cleaver, H. C. Collins, A. and J. Deyo, C. Dominguez, E. and T. Elkinton, C. Gibb, E. T. Gibson, E. Gillingham, B. Haines, S. Harty, M. Hollinshead, M. R. and M. A. Linton, A. and E. Lippincott, E. Litchfield, J. and S. Little, M. Lovell, J. Matlack, D. McGaw, H. Moore, James Moore, Jr. (compiler), H. and L. Morgan, D. Nelson, L. Probsting, C. Reagan, G. Reynard, H. and R. Ritchie, A. and J. Rogers, R. Smythe, J., K. and S. Taylor, E. and M. Wallace, E. West.

124. **Morristown, N. J.** (all points within a 15-mile diameter circle, center at Ironia; open area 37%, woodland and wooded hills 49%, swamp and lowlands 5%, lake country 9%).—Dec. 28; 5 a.m. to 5:30 p.m. Fair; temp. 19° to 40°; calm; practically no open water. Twenty-eight observers in 6 parties. Total party-hours, 49 (27 on foot, 22 by car); total party-miles, 234 (32 on foot, 202 by car). ► Mallard, 82; Black Duck, 6; Red-tailed Hawk, 5; Red-shouldered Hawk, 4; Sparrow Hawk, 2; Ruffed Grouse, 11; Ring-necked Pheasant, 6; Mourning Dove, 380; Screech Owl, 4; Great Horned Owl, 3; Belted Kingfisher, 4; Yellow-shafted Flicker, 22; Pileated Woodpecker, 5; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 33; Downy Woodpecker, 126; Blue Jay, 218; Common Crow, 401; Black-capped Chickadee, 303; Tufted Titmouse, 145; White-breasted Nuthatch, 81; Red-breasted Nuthatch, 1; Brown Creeper, 9; Winter Wren, 3; Carolina Wren, 2; **Mockingbird, 1** (carefully identified); Robin, 256; Hermit Thrush, 1; Eastern Bluebird, 37; Golden-crowned Kinglet, 12; Cedar Waxwing, 337; Starling, 1816; Myrtle Warbler, 42; House Sparrow, 707; Eastern Meadowlark, 1; Redwinged Blackbird, 116; Rusty Blackbird, 2; Common Grackle, 4; Brown-headed Cowbird, 11; Cardinal, 128; **Dickcissel, 2** (at feeder—Mrs. G. C.); Purple Finch, 59; Am. Goldfinch, 285; Rufous-sided Towhee, 1; Slate-colored Junco, 785; Tree Sparrow, 726; Field Sparrow, 13; White-throated Sparrow, 166; Swamp Sparrow, 1; Song Sparrow, 44. **Total,** 50 species; about 7410 individuals.—Mrs. Kenneth Absalon, Mrs. M. Allen, Mrs. Henry Appleby, Mrs. F. L. Bower, Mrs. G. Cannon, M. A. Chaillet, Mrs. Ercel Francis, Mrs. R. Franklin, James Hand, Mr. and Mrs. L. H. Haslwanter, Mrs. G. Johnson, May Leonard, Mr. and Mrs. John T. Neal, Jr., Mr. and Mrs. J. M. Purcell, R. P. Riesz, Hadley Roe, Mr. and Mrs. C. B. Schaughency, Edith Smith, Mr. and Mrs. Melvin J. Weig (compiler), A. M. Wittenberg, Darwin Wood, Scott Wood, Lois Wenman (Morris Nature Club).

125. **Mount Holly, N. J.** (all points within a 15-mile diameter circle, center same as in former years).—Dec. 20; 7 a.m. to 6 p.m. Cloudy until 9 a.m., then sunny; temp. 34° to 22°; wind NW, 15 m.p.h. Ten observers in 6 parties. Total party-hours, 58 (5 on foot, 28 by car, 25 by feed stations); total party-miles, 132 (12 on foot, 120 by car). ► Black Duck, 24; Common Merganser, 13; Turkey Vulture, 60; Red-tailed Hawk, 8; Marsh Hawk, 8; Pigeon Hawk, 1; Sparrow Hawk, 16; Killdeer, 1; Herring Gull, 37; Mourning Dove, 216; Screech Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 8; Horned Lark, 25; Blue Jay, 15; Common Crow, 150; Black-capped Chickadee, 12; Carolina Chickadee, 5; Tufted Titmouse, 18; White-breasted Nuthatch, 3; Brown Creeper, 2; Carolina Wren, 2; Mockingbird, 4; Robin, 5; Hermit Thrush, 1; Eastern Bluebird, 3; Golden-crowned Kinglet, 3; Cedar Waxwing, 1; Starling, 515; House Sparrow, 76; Eastern Meadowlark, 73; Common Grackle, 8; Brown-headed Cowbird, 4; Cardinal, 16; Evening Grosbeak, 81; Am. Goldfinch, 11; Rufous-sided Towhee, 1; Slate-colored Junco, 33; Tree Sparrow, 47; Field Sparrow, 10; White-throated Sparrow, 142; Fox Sparrow, 3; Song Sparrow, 30. **Total,** 45 species; about 1697 individuals. (Seen in area count period, but not on count day: Bobwhite, Ruby-crowned Kinglet.)—Charles Applegate, Stephen Harty, W. A. Jarvis, May Middleton, Helen Moore, James Moore, Jr., Elizabeth P. Pumyea, Nelson D. W. Pumyea (compiler), J. Russell Sprow, W. H. Trump.

126. Northwestern Gloucester County, N. J. (all points within a 15-mile diameter circle, center same as in former years).—Dec. 27; 7 a.m. to 9 p.m. Clear to partly cloudy; temp. 16° to 35°; wind WSW, 3-10 m.p.h.; ponds and streams frozen, much ice on Delaware river. Thirty-seven observers in 12 parties. Total party-hours, 92 (70 on foot, 22 by car); total party-miles, 434 (93 on foot, 341 by car). Great Blue Heron, 5; Black-crowned Night Heron, 1; Canada Goose, 65; Mallard, 307; Black Duck, 1201; Pintail, 400; Ruddy Duck, 300; Common Merganser, 15; Turkey Vulture, 213; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 20; Red-shouldered Hawk, 8; Bald Eagle, 1; Marsh Hawk, 8; Sparrow Hawk, 64; Bobwhite, **89**; Ring-necked Pheasant, 4; Killdeer, 11; Common Snipe, 5; **Lesser Yellowlegs, 3** (present several days); Great Black-backed Gull, 16; Herring Gull, 427; Ring-billed Gull, 52; Mourning Dove, 564; Screech Owl, 2; Great Horned Owl, 1; Long-eared Owl, 9; Belted Kingfisher, 9; Yellow-shafted Flicker, 25; Hairy Woodpecker, 13; Downy Woodpecker, 84; Eastern Phoebe, 1; Horned Lark, 195; Blue Jay, 218; Common Crow, 1145; Fish Crow, 104; Black-capped Chickadee, 1; Carolina Chickadee, 170; Tufted Titmouse, 38; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 7; Brown Creeper, 12; Winter Wren, 11; Carolina Wren, 50; Mockingbird, **65**; Catbird, 1; Robin, 112; Hermit Thrush, 1; Eastern Bluebird, 7; Golden-crowned Kinglet, 27; Ruby-crowned Kinglet, 3; Water Pipit, 50; Cedar Waxwing, 23; Loggerhead Shrike, 2; Starling, 8481; Myrtle Warbler, 12; House Sparrow, 916; Eastern Meadowlark, 117; Redwinged Blackbird, 358; Rusty Blackbird, 26; Common Grackle, 127; Brown-headed Cowbird, 145; Cardinal, 161; Evening Grosbeak, 1; Purple Finch, 49; Pine Siskin, 1; Am. Goldfinch, 136; Rufous-sided Towhee, 6; Savannah Sparrow, 7; Vesper Sparrow, 6; Slate-colored Junco, 2116; Tree Sparrow, 99; **Chipping Sparrow, 3** (carefully identified); Field Sparrow, **214**; White-crowned Sparrow, **21**; White-throated Sparrow, 1821; Fox Sparrow, 15; Swamp Sparrow, 6; Song Sparrow, 1012. **Total,** 80 species; about 22,026 individuals. (Seen in area count period, but not on count day: Saw-whet Owl, Yellow-bellied Sapsucker, Brown Thrasher.)—Carl Bresler, Josephine Brown, L. E. Busch, Drew Byers, James O. Clark, Bob Cotton, Joe Devlin, R. D. Drew, Kingsley Ebert, Richard Ebert, Russell Fowler, Mimi Glass, Wyn Glass, Serge Griffith, George Hitchner, Stuart Hughes, Allston Jenkins, James Jenkins, W. H. Jenkins, Jr., Philip Lawrence, Roger Lawrence, Harlie Lord, Bob Loveland, Ed Manners, Thelma Middleton, W. R. Middleton (compiler), Elbert Nixdorf, Paul O'Brien, Fred Poole, Dick Wright, Helen G. Wright, Dale Sanville, Mr. and Mrs. Paul Schwalbe, Clarence Stasz (Gloucester County Nature Club and guests).

127. Northwestern Hunterdon County, N. J. (all points within a 15-mile diameter circle, center at Clinton; cultivated farmlands 50%, abandoned farmland 10%, deciduous woodland 30%, ponds and water courses 5%, rural villages 5%).—Dec. 27; 7 a.m. to 4 p.m. Clear; temp. 10° to 30°; wind W, 5 m.p.h.; ground frozen, streams partly frozen, ponds frozen. Fifteen observers in 5 parties. Total party-hours, 45 (5 on foot, 40 by car); total party-miles, 282 (14 on foot, 268 by car). ► Black Duck, 35; Common Merganser, 2; Cooper's Hawk, 2; Red-tailed Hawk, 34; Red-shouldered Hawk, 4; Marsh Hawk, 3; Sparrow Hawk, 12; Ruffed Grouse, 2; Ring-necked Pheasant, 6; Mourning Dove, 160; Long-eared Owl, 1; Belted Kingfisher, 7; Yellow-shafted Flicker, 22; Pileated Woodpecker, 1; **Red-bellied Woodpecker, 2** (visiting feeder 2 months); Red-headed Woodpecker, 1; Hairy Woodpecker, 6; Downy Woodpecker, 65; Horned Lark, 115; Blue Jay, 101; Common Crow, 740; Black-capped Chickadee, 101; Tufted Titmouse, 83; White-breasted Nuthatch, 10; Brown Creeper, 9; Carolina Wren, 4; Mockingbird, 1; Brown Thrasher, 1; Robin, 54; Eastern Bluebird, 33; Golden-crowned Kinglet, 8; Ruby-crowned Kinglet, 6; Cedar Waxwing, 51; Starling, 2259; Myrtle Warbler, 6; House Sparrow, 984; Eastern Meadowlark, 26; Brown-headed Cowbird, 40; Cardinal, 53; Purple Finch, 1; Am. Goldfinch, 13; Slate-colored Junco, 470; Tree Sparrow, 176; Field Sparrow, 11; White-throated Sparrow, 78; Song Sparrow, 42. **Total,** 46 species; about 5841 individuals.—V. Abraitys, H. Barlow, L. Bartok, W. Barbey, D. Buckholz, Mr. and Mrs. L. Bellis, Mrs. C. Chatfield, S. Dillon, H. Drinkwater (compiler), S. James, H. Lindsley, J. Muller, G. Merck, N. Peet (Hunterdon County Bird Club).

128. Oceanville, N. J. (all points within a 15-mile diameter circle, center on Brigantine Wildlife Refuge Headquarters; same area since 1952; ocean and bay 40%, salt marsh 10%, woodland 30%, cultivated 15%, residential 5%).—Dec. 27; 8 a.m. to 4:30 p.m. Fair; temp. 14° to 42°; wind NW, 3-10 m.p.h.; fresh water frozen. Eighteen observers in 5 parties. Total party-hours, 137 (91 on foot, 46 by car); total party-miles, 351 (34 on foot, 317 by car). ► Common Loon, 6; Red-throated Loon, 4; Horned Grebe, 40; Pied-billed Grebe, 5; Double-crested Cormorant, 4; Great Blue Heron, 34; Black-crowned Night Heron, 56; Am. Bittern, 2; Mute Swan, 13; Canada Goose, 360; Brant, 35,000; Mallard, 2000; Black Duck, 25,000; Gadwall, 10; Pintail, 2000; Green-winged Teal, 1000; Am. Widgeon, 4000; Shoveler, 128; Greater Scaup, 121; Lesser Scaup, 39; Common Goldeneye, 47; Bufflehead, 412; Oldsquaw, 28; White-winged Scoter, 16; Surf Scoter, 14; Common Scoter, 21; Ruddy Duck, 34; Hooded Merganser, 6; Common Merganser, 9; Red-breasted Merganser, 62; Turkey Vulture, 3; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Bald Eagle, 4; Marsh Hawk, 14; Sparrow Hawk, 5; Bobwhite, 14; Ring-necked Pheasant, 2; Clapper Rail, 1; Am. Coot, 16; Killdeer, 18; Black-bellied Plover, 22; Am. Woodcock, 1; Purple Sandpiper, 7; Dunlin, 1200; Sanderling, 1000; Great Black-backed Gull, 190; Herring Gull, 13,000; Ring-billed Gull, 410; Mourning Dove, 10; Great Horned Owl, 1; Short-eared Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 2; Downy Woodpecker, 2; Horned Lark, 24; Tree Swallow, 30; Blue Jay, 90; Common Crow, 50;

Fish Crow, 3; Carolina Chickadee, 21; Tufted Titmouse, 4; Brown Creeper, 3; Winter Wren, 1; Carolina Wren, 4; Mockingbird, 20; Catbird, 4; Brown Thrasher, 3; Robin, 300; Hermit Thrush, 2; Golden-crowned Kinglet, 31; Cedar Waxwing, 31; Northern Shrike, 1; Starling, 9400; Myrtle Warbler, 400; Palm Warbler, 2; House Sparrow, 120; Eastern Meadowlark, 14; Redwinged Blackbird, 400; Rusty Blackbird, 15; Common Grackle, 70; Brown-headed Cowbird, 870; Cardinal, 16; Evening Grosbeak, 35; Purple Finch, 2; Rufous-sided Towhee, 1; Ipswich Sparrow, 1; Savannah Sparrow, 11; Sharp-tailed Sparrow, 1; Vesper Sparrow, 1; Slate-colored Junco, 67; Tree Sparrow, 30; Field Sparrow, 19; White-throated Sparrow, 90; Fox Sparrow, 4; Swamp Sparrow, 8; Song Sparrow, 50; Snow Bunting, 15. **Total,** 99 species; about 98,665 individuals.—Sarah Aldridge, G. Armsheimer, A. H. Bergey, R. Brodey, E. A. Choate, D. A. Cutler, W. Forward, Elizabeth Gillingham, S. T. Harty, Eleanor Kennedy, Elizabeth Lippincott, Doris McLaughlin, F. W. McLaughlin, J. C. Miller, J. R. Moore, E. J. Reimann, G. B. Reynard, Alice Rogers, C. E. Stasz (compiler).

129. **Princeton, N. J.** (all points within a 9¼-mile diameter circle, center Graduate College; villages, estates, farms, lowland and upland deciduous woods, cedar and pine groves, swamp, marsh, lake, ponds, streams).—Dec. 29; 7 a.m. to 4:30 p.m. Heavily clouded, rain from 2:10 p.m.; temp. 34° to 42°; wind NE, moderate; ground bare, most waters frozen. Ten observers in 5 parties plus 1 at a food station. Total party-hours, 41¾ (40¾ on foot, 1 by car); total party-miles, 59 (39 on foot, 20 by car). ► Red-tailed Hawk, 3; Red-shouldered Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 4; Ring-necked Pheasant, 5; Killdeer, 2; Common Snipe, 2; Herring Gull, 25; Mourning Dove, 177; Yellow-shafted Flicker, 50; Hairy Woodpecker, 8; Downy Woodpecker, 65; Horned Lark, 1; Blue Jay, 41; Common Crow, 140; Fish Crow, 3; Black-capped Chickadee, 10; Carolina Chickadee, 16; chickadee (sp.), 20; Tufted Titmouse, 36; White-breasted Nuthatch, 15; Red-breasted Nuthatch, 1; Brown Creeper, 5; Winter Wren, 4; Carolina Wren, 4; Mockingbird, 1; Robin, 71; Eastern Bluebird, 5; Golden-crowned Kinglet, 12; Cedar Waxwing, 6; Starling, 1507; Myrtle Warbler, 122; House Sparrow, 690; Eastern Meadowlark, 96; Redwinged Blackbird, 4; Rusty Blackbird, 1; Brown-headed Cowbird, 3; Cardinal, 78; Purple Finch, 19; Am. Goldfinch, 39; Slate-colored Junco, 205; Tree Sparrow, 106; Field Sparrow, 19; White-throated Sparrow, 147; Swamp Sparrow, 13; Song Sparrow, 140. **Total,** 45 species; about 3934 individuals. (Seen in area count period, but not on count day: Mallard, Sharp-shinned Hawk, Yellow-bellied Sapsucker, Evening Grosbeak.)—W. F. Alston, E. D. Bloor, Jr., J. M. Burrill, C. A. Fox, R. M. Laughlin, C. F. Leck, F. W. Loetscher, Jr., Jack Musick, C. H. Rogers (compiler), A. L. Shinn, H. W. Turnbull.

130. **Ramsey, N. J.** (all points within a 15-mile diameter circle, center Lake Erskine, including Wanaque Reservoir, Pompton Lake, Pines Lake, Greenwood Lake, Franklin Lakes, towns of Ramsey, Mahwah, Allendale, part of Wyckoff; lakes and ponds 16%, deciduous woodland 22%, evergreen woodland 3%, unplowed fields 33%, plowed fields 5%, marsh 2%, golf courses and estates 2%, town and suburban 17%).—Dec. 27; 7:30 a.m. to 5 p.m.; temp. 0° to 35°; wind W to SW, 0-5 m.p.h.; little snow on ground, lakes and ponds frozen. Thirty observers in 7 parties. Total party-hours, 56 (35 on foot, 21 by car); total party-miles, 399 (35 on foot, 364 by car). ► Horned Grebe, 2; Canada Goose, **263**; Mallard, 183; Black Duck, 50; Cooper's Hawk, 1; Red-tailed Hawk, 4; Red-shouldered Hawk, 1; Sparrow Hawk, 2; Ruffed Grouse, 5; Herring Gull, 24; Mourning Dove, 30; Screech Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 3; Pileated Woodpecker, 14; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 18; Downy Woodpecker, 110; Blue Jay, 297; Common Crow, 153; Black-capped Chickadee, 329; Tufted Titmouse, 131; White-breasted Nuthatch, 110; Brown Creeper, 15; Carolina Wren, 3; **Long-billed Marsh Wren, 1**; Robin, 11; Hermit Thrush, 3; Eastern Bluebird, 4; Golden-crowned Kinglet, 21; Cedar Waxwing, **277**; Starling, 1871; Myrtle Warbler, 6; House Sparrow, 565; Eastern Meadowlark, 10; Rusty Blackbird, 1; Brown-headed Cowbird, 1; Cardinal, 84; Evening Grosbeak, 6; Purple Finch, 58; Am. Goldfinch, 264; Slate-colored Junco, 995; Tree Sparrow, 644; Field Sparrow, 5; White-throated Sparrow, 133; Fox Sparrow, 4; Swamp Sparrow, 1; Song Sparrow, 237. **Total,** 48 species; about 6955 individuals.—Mr. and Mrs. E. M. Bevilacqua, Mr. and Mrs. Roy Dietert, Kathy Dietert, Mrs. Fred Delaney, Mr. and Mrs. John Dater, Susy Estler, Robert Harsch, Bucky Harsch, R. V. Jones, Ralph Jordan, Bob MacKenzie, Ned Mueller, Chuck Malley, Mrs. Anna Pulis, Ken Prytherch, Mrs. N. O. Sjolander, Stan Stedman, Mrs. Betty Phelps, Stiles Thomas, Peter Van Arsdale, H. R. Walcott, John Walcott, Katherine F. Walcott (compiler), Bill Webb, Mr. and Mrs. Lem Webster, Nat Woodson (Fyke Nature Association).

131. **Raritan Estuary, N. J.** (all points within a 15-mile diameter circle, center Bonhamtown; semi-urban areas 22%, farmland and orchards 18%, pine barrens 18%, salt marsh and fill 17%, deciduous woodlands 13%, swampy woods 9%, bayshore 3%).—Dec. 22; 6:30 a.m. to 6:30 p.m. Clear, visibility unlimited; temp. 10° to 26°; wind W, 0-5 m.p.h.; patches of old snow, all fresh water frozen. Twenty-seven observers in 9 parties. Total party-hours, 80 (51 on foot, 29 by car); total party-miles, 521 (53 on foot, 468 by car). ► Horned Grebe, 3; Canada Goose, 32; Mallard, 206; Black Duck, 259; Wood Duck, 2; Canvasback, 831; Greater Scaup, 1495; Lesser Scaup, 610; Common Goldeneye, 196; Bufflehead, 299; Oldsquaw, 7; Ruddy Duck, 1; Common Merganser, 2; Red-breasted Merganser, 8; **Goshawk, 1** (studied while perched at 200 ft.—R. E. H.); Cooper's Hawk, 1; Red-tailed Hawk, 13; Red-shouldered Hawk, 7; Rough-legged Hawk, 1; Marsh Hawk, 4; Sparrow Hawk, 9; Ring-necked Pheasant, 7; Virginia Rail, 1; Killdeer, 1; Great Black-backed

Gull, 14; Herring Gull, 1690; Ring-billed Gull, 67; Bonaparte's Gull, 25; Mourning Dove, 66; Barn Owl, 1; Long-eared Owl, 1; Short-eared Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 18; Hairy Woodpecker, 9; Downy Woodpecker, 40; Horned Lark, 37 (2 races); Blue Jay, 180; Common Crow, 243; Fish Crow, 5; Black-capped Chickadee, 24; Carolina Chickadee, 11; Tufted Titmouse, 71; White-breasted Nuthatch, 10; Red-breasted Nuthatch, 2; Brown Creeper, 5; Carolina Wren, 4; Mockingbird, 4; Catbird, 2; Brown Thrasher, 1; Robin, 30; Hermit Thrush, 1; Golden-crowned Kinglet, 6; Ruby-crowned Kinglet, 2; Water Pipit, 2; Starling, 1395 in daytime, 19,500 in roost; Myrtle Warbler, 47; House Sparrow, 479; Eastern Meadowlark, 12; Redwinged Blackbird, 336 in daytime, 10,000 in roost; Rusty Blackbird, 19; Common Grackle, 65 (2 races) in daytime, 1000 in roost; Brown-headed Cowbird, 326 in daytime, 2000 in roost; Cardinal, 91; **Dickcissel, 1**; Purple Finch, 1; Am. Goldfinch, 50; Savannah Sparrow, 26; Slate-colored Junco, 516; Tree Sparrow, 949; Field Sparrow, 20; White-throated Sparrow, 212; Fox Sparrow, 1; Swamp Sparrow, 18; Song Sparrow, 244; Snow Bunting, 5. **Total,** 76 species (2 additional races); about 41,772 individuals. (Seen in area count period, but not on count day: cormorant (sp.), **House Finch**.)—Gilbert Cant (compiler), John G. H. Cant, Joseph and Lillian Cardinali, George G. Daniels, Elise, Julian and Stanley Dickerson. David Fables, C. Gale Goldbeck, W. Harold Hamilton, Richard E. Harrison, Joseph R. Jehl, Jr., Howard and Sara Ann Joselson, Michael Logue, Anton Massopers, Bert Murray, James Nestel, Agnes North, Harold Safer, Albert and Eva Schnitzer, George M. Seeley, Jeff Swinebroad, Robert Troisi, Peter Westcott.

132. Somerville, N. J. (all points within a 15-mile diameter circle, center Somerville traffic circle; same area as 1957; farming country, rivers, canal, ponds, deciduous forest, marsh, suburban, woodlands).—Dec. 28; 7 a.m. to 4:30 p.m. Mostly sunny; temp. 22° to 40°; wind 0-5 m.p.h.; canal and ponds frozen for 2 weeks. Twenty-eight observers in 9 parties. Total party-hours, 50 (27 on foot, 23 by car); total party-miles, 336 (39 on foot, 297 by car). ► Mallard, 18; Black Duck, 6; Red-tailed Hawk, 9; Red-shouldered Hawk, 6; Rough-legged Hawk, 2; Marsh Hawk, 7; Sparrow Hawk, 9; Ring-necked Pheasant, 14; Killdeer, 1; Herring Gull, 5; Mourning Dove, 78; Belted Kingfisher, 2; Yellow-shafted Flicker, 13; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 11; Downy Woodpecker, 33; Horned Lark, 2; Blue Jay, 40; Common Crow, 390; Black-capped Chickadee, 58; Tufted Titmouse, 81; White-breasted Nuthatch, 16; Brown Creeper, 11; Carolina Wren, 2; Mockingbird, 18; Catbird, 3; Robin, 12; Eastern Bluebird, 4; Golden-crowned Kinglet, 7; Starling, 2392; Myrtle Warbler, 192; House Sparrow, 548; Eastern Meadowlark, 29; Redwinged Blackbird, 1; Common Grackle, 53; Brown-headed Cowbird, 1; Cardinal, 53; **Dickcissel, 1**; Purple Finch, 6; Pine Siskin, 2; Am. Goldfinch, 81; Rufous-sided Towhee, 1; Savannah Sparrow, 50; Vesper Sparrow, 1; Slate-colored Junco, 352; Tree Sparrow, 457; Chipping Sparrow, 4; Field Sparrow, 4; White-throated Sparrow, 118; Swamp Sparrow, 2; Song Sparrow, 48. **Total,** 51 species; about 5255 individuals. (Seen in area count period, but not on count day: Ruffed Grouse, Barn Owl, Cedar Waxwing.)—Mr. and Mrs. Fred Drucker, Mr. and Mrs. Leland Foster, Mr. and Mrs. Harold Gillespie, Kate Glassey, Mr. and Mrs. Gordon Glenn, Mary V. Griswold (compiler), Ben Haddock, Mrs. A. E. Herrick, Vincent Kaselis, Mr. and Mrs. James Moise, Mr. and Mrs. Ted Pettit, Beth Pettit, Mr. and Mrs. Malcolm Schandle, Mr. and Mrs. Don Ross, Helen Stevens, Jeff Swinebroad, Gerard Vriens, Mrs. Charles Wiebusch, Mr. and Mrs. M. Zimmerman.

133. Sussex County, N. J. (all points within a 15-mile diameter circle, center near intersection of Lafayette, Hardyston and Sparta Townships as in previous years).—Dec. 28; 5:30 a.m. to 5:30 p.m. Clear; temp. 20° to 35°; wind NW, 8 m.p.h.; lakes frozen, streams ice-bound. Seventeen observers in 8 parties plus 2 at feeders. Total party-hours, 61 (8 on foot, 53 by car); total party-miles, 438 (8 on foot, 430 by car). ► Great Blue Heron, 1; Mute Swan, 20; Mallard, 2; Black Duck, 113; Sharp-shinned Hawk, 1; Red-tailed Hawk, 12; Sparrow Hawk, 6; Ruffed Grouse, 1; Killdeer, 4; Common Snipe, 1; Mourning Dove, 13; Screech Owl, 2; Great Horned Owl, 2; Barred Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 8; Pileated Woodpecker, 4; Red-headed Woodpecker, 3; Hairy Woodpecker, 14; Downy Woodpecker, 66; Blue Jay, 321; Common Crow, 235; Black-capped Chickadee, 203; Tufted Titmouse, 20; White-breasted Nuthatch, 40; Red-breasted Nuthatch, 1; Brown Creeper, 5; Mockingbird, 1; Robin, 42; Eastern Bluebird, 11; Golden-crowned Kinglet, 4; Ruby-crowned Kinglet, 2; Cedar Waxwing, 195; Loggerhead Shrike, 1; Starling, 5141; Myrtle Warbler, 2; House Sparrow, 1647; Eastern Meadowlark, 37; Redwinged Blackbird, 28; Rusty Blackbird, 1; Brown-headed Cowbird, 5; Cardinal, 45; Evening Grosbeak, 18; Purple Finch, 69; Common Redpoll, 5; Am. Goldfinch, 349; Slate-colored Junco, 368; Tree Sparrow, 437; White-throated Sparrow, 17; Fox Sparrow, 12; Swamp Sparrow, 3; Song Sparrow, 17. **Total,** 52 species; about 9559 individuals.—Allen Black, Ella Black (compiler), Beth Case, Elizabeth Cherepy, Louis Cherepy, Eleanor Coes, H. V. Coes, Benton Cummings, George Johnson, Betty Kientzler, Charles Kientzler, Grace Kuser, Dryden Kuser, William McCrea, Kenneth Marron, Beverly Post, Mrs. Clarkson Potter, Eva Rodimer, James Zamos.

134. Allentown, Pa. (all points within a 15-mile diameter circle, center same as in previous years).—Dec. 27; 8 a.m. to 4 p.m.; temp. 10° to 38°; wind WSW, 0-12 m.p.h. Thirteen observers in 3 parties. Total party-hours, 24 (21 on foot, 3 by car); total party-miles, 81 (17 on foot, 64 by car). ► Black-crowned Night Heron, 5; Canada Goose, 9; Mallard, 791; Black Duck, 37; Pintail, 6; Green-winged Teal, 2; Am. Widgeon, 286; Hooded Merganser, 1; Com-

mon Merganser, 1; Cooper's Hawk, 1; Red-tailed Hawk, 3; Marsh Hawk, 1; Sparrow Hawk, 10; Ring-necked Pheasant, 56; Herring Gull, 4; Mourning Dove, 32; Long-eared Owl, 1; Belted Kingfisher, 7; Yellow-shafted Flicker, 3; Hairy Woodpecker, 3; Downy Woodpecker, 22; Horned Lark, 35; Blue Jay, 7; Common Crow, 42; Black-capped Chickadee, 8; Tufted Titmouse, 39; White-breasted Nuthatch, 2; Brown Creeper, 12; Carolina Wren, 3; Mockingbird, 4; Robin, 6; Golden-crowned Kinglet, 15; Ruby-crowned Kinglet, 1; Starling, 2050; Myrtle Warbler, 1; House Sparrow, 597; Eastern Meadowlark, 20; Common Grackle, 3; Brown-headed Cowbird, 5; Cardinal, 78; Am. Goldfinch, 30; Slate-colored Junco, 163; Tree Sparrow, 26; Field Sparrow, 2; White-crowned Sparrow, 1; White-throated Sparrow, 69; Swamp Sparrow, 6; Song Sparrow, 39. **Total,** 48 species; about 4545 individuals.—Elizabeth Burkhart, Clarence Gehris, Clara Luckenbach, Ralph Mancke, Clinton Miller, Carl E. Montgomery (compiler), Earl E. Montgomery, Miriam Schantz, Walter Thurber, John E. Trainer, Herman Weil, Ann Wesson, Leonard Wesson (Lehigh Valley Bird Club).

135. **Carlisle, Pa.** (all points within a 15-mile diameter circle, center 6½ miles southwest of Carlisle on Route 174; open farmland 50%, mixed woodland 20%, creeks, ponds, springs 15%, deciduous farm woodlots 10%, town suburbs 5%).—Dec. 22; 7:30 a.m. to 4:45 p.m. Mostly clear; temp. 15° to 30°; wind variable, 0-7 m.p.h.; ground bare, ice on creeks and ponds. Three observers in 1 party. Total party-hours, 9¼ (3¼ on foot, 6 by car); total party-miles, 126 (4 on foot, 122 by car). ► Mallard, 10; Black Duck, 1; Common Merganser, 7; Red-tailed Hawk, 3; Sparrow Hawk, 1; Bobwhite, 10; Ring-necked Pheasant, 2; Killdeer, 30; Common Snipe, 2; Mourning Dove, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 1; Downy Woodpecker, 12; Blue Jay, 9; Common Crow, 2000; Black-capped Chickadee, 6; Tufted Titmouse, 20; White-breasted Nuthatch, 1; Brown Creeper, 1; Carolina Wren, 1; Mockingbird, 8; Golden-crowned Kinglet, 2; Cedar Waxwing, 8; Starling, 2000; House Sparrow, 300; Eastern Meadowlark, 1; Common Grackle, 1; Cardinal, 35; Evening Grosbeak, 1; Purple Finch, 14; Am. Goldfinch, 10; Slate-colored Junco, 60; Tree Sparrow, 85; Song Sparrow, 20. **Total,** 34 species; about 4665 individuals.—Forrest C. Grimm (compiler), Mr. and Mrs. J. C. M. Grimm.

136. **Chambersburg, Pa.** (all points within a 15-mile diameter circle, center 1 mile NE of Edenville on Chambersburg road; brush and fencerows 35%, fields 25%, forest 20%, stream edges and marshes 10%, feeders 10%).—Jan. 1; 8 a.m. to 6 p.m. Freezing rain, sleet, snow; temp. 28° to 35°; no wind; ground bare in morning, 1-in. slushy snow by evening, standing water frozen. Two observers in 1 party plus 6 at feeders. Total party-hours, 16 (4 on foot, 3 by car, 9 at feeders); total party-miles, 70 (4 on foot, 66 by car). ► Am. Widgeon, 1; Ruffed Grouse, 3; Bobwhite, 3; Ring-necked Pheasant, 1; Killdeer, 2; Mourning Dove, 6; Screech Owl, 1; Great Horned Owl, 1; Pileated Woodpecker, 1; Red-bellied Woodpecker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 7; Horned Lark, 10; Blue Jay, 7; Common Crow, 1100; Fish Crow, 5; Black-capped Chickadee, 5; Tufted Titmouse, 3; White-breasted Nuthatch, 3; Brown Creeper, 1; Carolina Wren, 3; Mockingbird, 3; Robin, 1; Starling, 169; House Sparrow, 297; Redwinged Blackbird, 3; Cardinal, 59; Slate-colored Junco, 73; Tree Sparrow, 40; **White-crowned Sparrow, 2**; White-throated Sparrow, 26; Swamp Sparrow, 1; Song Sparrow, 19. **Total,** 33 species; about 1858 individuals. (Seen in area count period, but not on count day: Horned Grebe, **Turkey,** Belted Kingfisher, Yellow-shafted Flicker, Yellow-bellied Sapsucker, Purple Finch, Am. Goldfinch.)—Joseph A. Beatty (compiler), Carl Garner.

137. **Clairton, Pa.** (all points within a 15-mile diameter circle, center same as in previous years).—Dec. 28; 8 a.m. to 5 p.m. Hazy, hoarfrost, all day; temp. 30° to 44°; wind W, under 1 m.p.h.; ice on streams, ponds frozen, snow north slopes. Two observers in 1 party. Total party-hours, 9; total party-miles, 8½ (all on foot). ► Ring-necked Pheasant, 1; Screech Owl, 1; Hairy Woodpecker, 1; Downy Woodpecker, 6; Common Crow, 4; Black-capped Chickadee, 9; Carolina Chickadee, 2; Tufted Titmouse, 10; Carolina Wren, 6; Starling, 234; House Sparrow, 15; Cardinal, 16; Slate-colored Junco, 13; Tree Sparrow, 3; White-crowned Sparrow, 4; Song Sparrow, 3. **Total,** 16 species; about 328 individuals.—Ellis H. Shimp (compiler), Hattie P. Shimp.

138. **Clarksville, Pa.** (all points within a 15-mile diameter circle, center on R. K. Bell farm about 1½ miles SW of Clarksville; urban area 2%, open farmland 35%, marshland 1%, deciduous woodland 52%, brushland 10%).—Dec. 27; 7 a.m. to 5:30 p.m. Partly cloudy; temp. 10° to 40°; calm. Six observers in 1 party. Total party-hours, 10 (9 on foot, 1 by car); total party-miles, 40 (6 on foot, 34 by car). ► Wood Duck, 2; Red-tailed Hawk, 3; Sparrow Hawk, 2; Killdeer, 5; Mourning Dove, 1; Screech Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 1; Pileated Woodpecker, 2; Red-bellied Woodpecker, 3; Hairy Woodpecker, 2; Downy Woodpecker, 9; Horned Lark, 65; Common Crow, 2537; Carolina Chickadee, 45; Tufted Titmouse, 20; White-breasted Nuthatch, 2; Brown Creeper, 1; Carolina Wren, 7; Mockingbird, 1; Robin, 1; Eastern Bluebird, 6; Golden-crowned Kinglet, 1; Starling, 457; Myrtle Warbler, 1; House Sparrow, 19; Eastern Meadowlark, 21; Redwinged Blackbird, 2; Cardinal, 36; Am. Goldfinch, 3; Slate-colored Junco, 49; Tree Sparrow, 65; White-throated Sparrow, 6; Swamp Sparrow, 2; Song Sparrow, 14. **Total,** 35 species; about 3395 individuals. (Seen in area count period, but not on count day: Great Horned Owl, Cedar Waxwing, Rufous-sided Towhee.)—Ralph Bell (compiler), Mr. and Mrs. Orville Dayton, Mrs. Harry Enstrom, Ralph Horn, John Tuckish.

139. **Dallas, Pa.** (all points within a 15-mile diameter circle, center Huntsville Reservoir, including Susquehanna River from Forty Fort to West Nan-

ticoke, also Harveys Lake, Dallas, Lehman, Jackson; farmland 25%, deciduous woodland 20%, mixed conifers and hardwood 20%, Hemlock and pine 15%, lakes and river 20%).—Dec. 27; 3:30 a.m. to 7 p.m. Partly cloudy; temp. 8° to 34°; wind SW, 4 m.p.h.; ground mostly bare, streams and lakes frozen, river open. Eleven observers in 5 parties. Total party-hours, 29 (15 on foot, 14 by car); total party-miles, 87 (13 on foot, 74 by car). ► Mallard, 30; Black Duck, 185; Common Goldeneye, 7; Common Merganser, 23; Red-tailed Hawk, 4; Marsh Hawk, 1; Sparrow Hawk, 3; Ruffed Grouse, 1; Ring-necked Pheasant, 3; Killdeer, 1; Herring Gull, 1; Screech Owl, 10; Great Horned Owl, 7; Barred Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 7; Downy Woodpecker, 8; Blue Jay, 40; Common Crow, 60; Black-capped Chickadee, 124; Tufted Titmouse, 6; White-breasted Nuthatch, 5; Red-breasted Nuthatch, 1; Brown Creeper, 5; Winter Wren, 1; Carolina Wren, 2; Robin, 2; Golden-crowned Kinglet, 1; Cedar Waxwing, 12; Starling, 124; House Sparrow, 142; Redwinged Blackbird, 1; Cardinal, 33; Evening Grosbeak, 13; Pine Grosbeak, 1; Am. Goldfinch, 48; Slate-colored Junco, 36; Tree Sparrow, 214; White-throated Sparrow, 1; Swamp Sparrow, 1; Song Sparrow, 16. **Total,** 43 species; about 1184 individuals. (Seen in area count period, but not on count day: Rufous-sided Towhee.) —John Conrad, George Deisher, William Evans, Frank Jackson, Mrs. William James, Edwin Johnson (compiler), Mrs. Arnott Jones, Richard Joos, Mrs. Roger McShea, William Pierce, William Reid (Back Mountain Bird Club).

140. Easton, Pa. (all points within a 15-mile diameter circle, center at junction of Delaware and Lehigh Rivers; open farmland 50%, overgrown fields 25%, deciduous woods 25%).—Dec. 22; 6:45 a.m. to 5 p.m. Clear; temp. 5° to 25°; wind NW, 0-5 m.p.h. Seven observers in 3 parties. Total party-hours, 17 (5 on foot, 12 by car); total party-miles, 145 (5 on foot, 140 by car). ► Mallard, 9; Black Duck, 26; Common Goldeneye, 6; Common Merganser, 40; Red-tailed Hawk, 1; Sparrow Hawk, 3; Ring-necked Pheasant, 2; Herring Gull, 3; Mourning Dove, 2; Screech Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 3; Hairy Woodpecker, 4; Downy Woodpecker, 23; Horned Lark, 125; Blue Jay, 1; Common Crow, 224; Black-capped Chickadee, 5; Tufted Titmouse, 16; Brown Creeper, 7; Winter Wren, 1; Carolina Wren, 3; Golden-crowned Kinglet, 4; Starling, 1353; Myrtle Warbler, 5; House Sparrow, 367; Eastern Meadowlark, 6; Cardinal, 32; Purple Finch, 6; Slate-colored Junco, 117; Tree Sparrow, 68; White-throated Sparrow, 33; Song Sparrow, 42. **Total,** 33 species; about 2540 individuals.—Dr. and Mrs. George A. Clark, George A. Clark, Jr. (compiler), James L. Dyson, Dr. and Mrs. E. Lee McMillen, Charles W. Saalfrank.

141. Elverson, Pa. (all points within a 15-mile diameter circle, center at Marsh; same area and habitat percentages as last year).—Dec. 20; 6:45 a.m. to 5 p.m. Partly cloudy; temp. 20° to 30°; wind N, 10-20 m.p.h.; ground bare, all streams and ponds frozen but one. Fifteen observers in 6 parties. Total party-hours, 61 (28 on foot, 33 by car); total party-miles, 395 (34 on foot, 361 by car). ► Horned Grebe, 1; Canada Goose, 10; Mallard, 172; Black Duck, 92; Green-winged Teal, 1; Turkey Vulture, 1; Cooper's Hawk, 1; Red-tailed Hawk, 13; Red-shouldered Hawk, 12; Marsh Hawk, 3; Sparrow Hawk, 15; Ring-necked Pheasant, 64; Killdeer, 10; Common Snipe, 6; Mourning Dove, 48; Screech Owl, 1; Great Horned Owl, 2; Belted Kingfisher, 2; Yellow-shafted Flicker, 25; Pileated Woodpecker, 1; Red-bellied Woodpecker, 3; Hairy Woodpecker, 11; Downy Woodpecker, 74; Horned Lark, 67; Blue Jay, 111; Common Crow, 1486; Black-capped Chickadee, 21; Carolina Chickadee, 4; Tufted Titmouse, 81; White-breasted Nuthatch, 28; Brown Creeper, 3; Carolina Wren, 9; Mockingbird, 10; Robin, 1; Eastern Bluebird, 17; Golden-crowned Kinglet, 9; Cedar Waxwing, 32; Starling, 2082; Myrtle Warbler, 8; House Sparrow, 1334; Eastern Meadowlark, 68; Redwinged Blackbird, 65; Rusty Blackbird, 260; Common Grackle, 2; Brown-headed Cowbird, 71; Cardinal, 95; Purple Finch, 54; Pine Siskin, 8; Am. Goldfinch, 174; Rufous-sided Towhee, 3; Slate-colored Junco, 861; Tree Sparrow, 388; Field Sparrow, 20; White-crowned Sparrow, 1; White-throated Sparrow, 336; Fox Sparrow, 4; Swamp Sparrow, 3; Song Sparrow, 230. **Total,** 57 species; about 8503 individuals. (Seen in area count period, but not on count day: Am. Widgeon, Ruffed Grouse.)—Rodney Clingaman, Robert E. Cook (compiler), Ruth F. Cook, John and Sarah Frankenfield, Beryl Hurlock, Phyllis Hurlock, Thornton Kline, Herman and Ilse Kuch, William F. Miler, Michael Mill, John Shrader, Barton Smith, Matthew J. Spence (Elverson Bird Club and friends).

142. Flicksville, Pa. (all points within a 15-mile diameter circle, center Flicksville, including boroughs of Bangor, East Bangor, Pen Argyl, villages of Richmond, Ackermanville, Martins Creek).—Dec. 27; 7 a.m. to 5 p.m.; temp. 10° to 30°; wind NE, 20 m.p.h. Five observers in 5 parties. Total party-hours, 40; total party-miles, 35 (25 on foot, 10 by car). ► Ring-necked Pheasant, 16; Common Snipe, 1; Mourning Dove, 5; Downy Woodpecker, 2; Blue Jay, 9; Common Crow, 65; Black-capped Chickadee, 1; Tufted Titmouse, 8; White-breasted Nuthatch, 2; Winter Wren, 1; Cedar Waxwing, 1; Starling, 333; House Sparrow, 117; Common Grackle, 7; Cardinal, 8; Slate-colored Junco, 9; White-throated Sparrow, 3; Song Sparrow, 1. **Total,** 18 species; about 589 individuals.—Walter Altorfer, Jay D. Pysher, Willard J. Pysher (compiler), Mildred I. Telfer, Esther Young.

143. Glenolden, Pa. (all points within a 15-mile diameter circle, center Wallingford as in previous years; recently established Tinicum Wildlife Preserve entirely within area; marsh 30%, deciduous woodland 25%, pine woods 10%, town suburbs 10%, water 10%, uncultivated fields 10%, farmland 5%).—Dec. 20; 3 a.m. to 5 p.m.; temp. 36° to 25°; wind NW, 10-20 m.p.h.; marshes frozen, Delaware River and

reservoir partly open. Eighteen observers in 10 parties. Total party-hours, 87 (46 on foot, 41 by car); total party-miles, 415 (51 on foot, 364 by car). ► Horned Grebe, 3; Great Blue Heron, 4; Common Egret, 1; Black-crowned Night Heron, 10; Canada Goose, 110; Mallard, 281; Black Duck, 1700; Pintail, 5030; Green-winged Teal, 170; Am. Widgeon, 1; Shoveler, 4; Redhead, 1; Ring-necked Duck, 3; Canvasback, 11; Greater Scaup, 20; Lesser Scaup, 21; Common Goldeneye, 2; Bufflehead, 4; Oldsquaw, 2; Ruddy Duck, 4045; Common Merganser, 8; Red-breasted Merganser, 5; Turkey Vulture, 1; Sharp-shinned Hawk, 1; Red-tailed Hawk, 10; Red-shouldered Hawk, 5; Rough-legged Hawk, 1; Bald Eagle, 1; Marsh Hawk, 17; Sparrow Hawk, 5; Ring-necked Pheasant, 73; **Common Gallinule, 1**; Killdeer, 26; Common Snipe, 37; Lesser Yellowlegs, 5; **Long-billed Dowitcher, 1** (present since Nov.); **Glaucous Gull, 1** (carefully identified); Great Black-backed Gull, 6; Herring Gull, 420; Ring-billed Gull, 467; Mourning Dove, 16; Barn Owl, 2; Screech Owl, **43**; Short-eared Owl, 6; Belted Kingfisher, 4; Yellow-shafted Flicker, 8; Red-bellied Woodpecker, 1; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 7; Downy Woodpecker, 58; Horned Lark, 526; Blue Jay, 126; Common Crow, 351; Fish Crow, 8; Black-capped Chickadee, 11; Carolina Chickadee, 44; Tufted Titmouse, 101; White-breasted Nuthatch, 30; Brown Creeper, 7; Winter Wren, 4; Carolina Wren, 20; Long-billed Marsh Wren, 7; Mockingbird, 12; Catbird, 1; Brown Thrasher, 1; Robin, 112; Eastern Bluebird, 60; Golden-crowned Kinglet, 15; Ruby-crowned Kinglet, 4; Water Pipit, 29; Cedar Waxwing, 61; Starling, 1526; Myrtle Warbler, 21; Yellowthroat, 2; House Sparrow, 502; Eastern Meadowlark, 48; Redwinged Blackbird, 831; Rusty Blackbird, 3; **Brewer's Blackbird, 1** (seen many times in Dec.); Common Grackle, 24; Brown-headed Cowbird, 22; Cardinal, 176; Purple Finch, 30; House Finch, 1; Am. Goldfinch, 118; Rufous-sided Towhee, 23; Savannah Sparrow, 68; Slate-colored Junco, 681; Tree Sparrow, 1177; Field Sparrow, 149; White-crowned Sparrow, 5; White-throated Sparrow, 1657; Fox Sparrow, **248**; Swamp Sparrow, 510; Song Sparrow, 1969. **Total,** 95 species; about 23,983 individuals.—Clara R. Barker, C. W. Carter, Mr. and Mrs. Frank P. Corbett, C. W. Craig, C. D. Craig, David Cutler, Frank Hamilton, C. A. Hetzel, E. Wayne Marshall, Peter McGlaughlin, Fred Mears, John C. Miller, C. E. Price, Jr., Richard Quinn, Edward H. Rigby (compiler), E. H. Rigby, 3rd, Paul W. Schwalbe (Delaware Valley Ornithological Club).

144. **Goodville, Pa.** (all points within a 15-mile diameter circle, center ½ mile northwest of Goodville as in 1956).—Dec. 20; 6:30 a.m. to 6:30 p.m. Cloudy at dawn, clearing; temp. 38° to 20°; wind NW, 15-2 m.p.h.; ground bare, most ponds and streams frozen. Seven observers in 5 parties. Total party-hours, 20 (10 on foot, 5 by car, 5 at feeders); total party-miles, 99 (8 on foot, 91 by car). ► Sparrow Hawk, 1; Ruffed Grouse, 4; Ring-necked Pheasant, 13; Killdeer, 2; Common Snipe, 3; Mourning Dove, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 15; Horned Lark, 2; Blue Jay, 1; Common Crow, 69; Black-capped Chickadee, 12; Tufted Titmouse, 10; White-breasted Nuthatch, 2; Brown Creeper, 3; Mockingbird, 1; Robin, 4; Hermit Thrush, 1; Golden-crowned Kinglet, 4; Cedar Waxwing, 1; Starling, 418; House Sparrow, 87; Eastern Meadowlark, 2; Cardinal, 8; Purple Finch, 3; Am. Goldfinch, 5; Slate-colored Junco, 37; Tree Sparrow, 26; White-throated Sparrow, 32; Fox Sparrow, 12; Swamp Sparrow, 2; Song Sparrow, 14. **Total,** 33 species; about 799 individuals.—Richard Glick, Mrs. Laura Huyett, Milton Keeler, Walter Keeler, Nevin Musser (compiler), Mrs. John Rutt, Monroe Stoltzfus.

145. **Harrisburg, Pa.** (all points within a 15-mile diameter circle, center in Camp Hill as in previous years; mixed woodland 45%, open fields 15%, creeks and river 25%, ponds and marshes 10%, pine woods 5%).—Dec. 28; 7 a.m. to 5 p.m. Clear to partly cloudy; temp. 21° to 46°; wind NW, 1-5 m.p.h.; ground bare, open water on creeks, river frozen. Seven observers in 4 parties. Total party-hours, 33 (21 on foot, 12 by car); total party-miles, 186 (14 on foot, 172 by car). ► Mallard, 20; Black Duck, 32; Pintail, 20; Canvasback, 26; Common Goldeneye, 45; Bufflehead, 7; Hooded Merganser, 2; Common Merganser, 50; Red-tailed Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 4; Ruffed Grouse, 1; Bobwhite, 12; Ring-necked Pheasant, 5; Killdeer, 29; Common Snipe, 1; Herring Gull, 80; Mourning Dove, 57; Belted Kingfisher, 4; Yellow-shafted Flicker, 3; Pileated Woodpecker, 2; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 3; Downy Woodpecker, 25; Horned Lark, 12; Blue Jay, 12; Common Crow, 112; Black-capped Chickadee, 3; Tufted Titmouse, 30; White-breasted Nuthatch, 7; Red-breasted Nuthatch, 1; Brown Creeper, 4; Winter Wren, 3; Carolina Wren, 9; Mockingbird, 19; Golden-crowned Kinglet, 1; Cedar Waxwing, 5; Starling, 2238; Myrtle Warbler, 1; House Sparrow, 1130; Eastern Meadowlark, 22; Rusty Blackbird, 7; Cardinal, 56; **Dickcissel, 1**; Am. Goldfinch, 13; Slate-colored Junco, 38; Tree Sparrow, 53; White-throated Sparrow, 24; Song Sparrow, 41. **Total,** 49 species; about 4274 individuals. (Seen in area count period, but not on count day: Great Blue Heron, Robin).—D. L. Knohr (compiler), Earl Knohr, Elsie Knohr, Anne Kutz, N. E. Metcalfe, Frances Seibert, Joseph Snow (Harrisburg Bird Club).

146. **Lancaster, Pa.** (all points within a 15-mile diameter circle, center at southwest corner of Millersville, including middle and lower Conestoga River valley, Lancaster suburbs and parks, Lake Grubb, Susquehanna River from Columbia to Pequea; conifer plantings 5%, farmland 20%, pastures 20%, suburbs and parks 10%, streams and ponds 20%, light woodland 20%, heavy woodland 5%).—Dec. 27; 7:30 a.m. to 4:30 p.m. Clear; temp. 12° to 37°; wind SW, average 3 m.p.h.; ponds and streams frozen. Twenty-four observers in 6 parties. Total party-hours, 48 (26 on foot, 22 by car); total party-

miles, 171 (37 on foot, 134 by car). ► Horned Grebe, 6; Mallard, 1553; Black Duck, **7350**; Greater Scaup, 3; Lesser Scaup, 2; Common Goldeneye, 21; Hooded Merganser, 1; Common Merganser, 67; Red-breasted Merganser, 2; Turkey Vulture, 7; Goshawk, 1; Red-tailed Hawk, 1; Bald Eagle, 2; Sparrow Hawk, 6; Ring-necked Pheasant, 3; Killdeer, 2; Ring-billed Gull, 1; Mourning Dove, 9; Screech Owl, 1; Belted Kingfisher, 8; Yellow-shafted Flicker, 15; Red-bellied Woodpecker, 1; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 5; Downy Woodpecker, 26; Horned Lark, 30; Blue Jay, 7; Common Crow, 299; Fish Crow, 9; Black-capped Chickadee, 35; Carolina Chickadee, 1; Tufted Titmouse, 31; White-breasted Nuthatch, 10; Red-breasted Nuthatch, 2; Brown Creeper, 1; Winter Wren, 6; Carolina Wren, 11; Mockingbird, 8; Robin, 2; Eastern Bluebird, 12; Golden-crowned Kinglet, 12; **Ruby-crowned Kinglet, 19**; Cedar Waxwing, 27; Starling, 700; House Sparrow, 532; Eastern Meadowlark, 17; Redwinged Blackbird, 7; Common Grackle, 20; Brown-headed Cowbird, 50; Cardinal, 87; Am. Goldfinch, 13; Slate-colored Junco, 383; Tree Sparrow, 38; Field Sparrow, 2; **White-crowned Sparrow, 12**; White-throated Sparrow, 276; Swamp Sparrow, 1; Song Sparrow, 158. **Total,** 58 species; about 11,914 individuals. (Seen in area count period, but not on count day: Canada Goose, Bald Eagle.)—Carl Bostrom, Henry Brown, Mrs. D. W. Clark, Richard Eyde, Carl Fasnacht, C. Boyd Griffiths, Douglas Hamacher, Mary Grace Helm, Suzanne Henkel, John Maddox, Jack Mason, James McMullin, William Mendenhall, Anne Phillips, Roy Phillips, John W. Price, John W. Price, Jr., Mrs. C. Y. Tanger, William Tawzer (compiler), Carol Weatherlow, Mr. and Mrs. James L. Weaver, H. Ray Woerner, William Yeager (Lancaster County Bird Club).

147. Lewisburg, Pa. (all points within a 15-mile diameter circle, center same as last year; mixed woodland 25%, mountain woodland 18%, farmland 40%, river and creek bank 10%, cattail marsh 5%, suburb 2%).—Dec. 27; 5:30 a.m. to 5 p.m. Clear; temp. 10° to 32°; wind SW, 5 m.p.h.; streams and river frozen over except some pockets. Eleven observers in 7 parties. Total party-hours, 32 (24 on foot, 8 by car); total party-miles, 143 (30 on foot, 113 by car). ► Mallard, 81; Black Duck, 2; Common Goldeneye, 16; Common Merganser, 10; Red-tailed Hawk, 3; Sparrow Hawk, 4; Ring-necked Pheasant, 88; Mourning Dove, 10; Barn Owl, 1; Screech Owl, 3; Great Horned Owl, 2; Red-shafted Flicker, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 29; Blue Jay, 4; Common Crow, 2417; Fish Crow, 2; Black-capped Chickadee, 21; Tufted Titmouse, 75; White-breasted Nuthatch, 11; Red-breasted Nuthatch, 2; Brown Creeper, 9; Winter Wren, 1; Carolina Wren, 1; Mockingbird, 2; Robin, 3; Golden-crowned Kinglet, 7; Starling, 313; House Sparrow, 86; Brown-headed Cowbird, 2; Cardinal, 48; Evening Grosbeak, 8; Purple Finch, 1; Pine Siskin, 18; Am. Goldfinch, 10; Slate-colored Junco, 117; Tree Sparrow, 248; White-crowned Sparrow, 2; White-throated Sparrow, 2; Fox Sparrow, 1; Swamp Sparrow, 2; Song Sparrow, 27. **Total,** 43 species; about 3696 individuals. (Seen in area count period, but not on count day: Rough-legged Hawk, Ruffed Grouse, Turkey, Horned Lark, Cedar Waxwing.)—Mrs. Sarah Gerhart, Robert Gift, Mrs. Philip Harriman, Robert Holman, Charles Jones, Robert Keller, Mrs. Harriet MacIntyre, Mrs. Jerry McLaren, Larry McQueen, Hollis T. Ross (compiler), Mrs. Elizabeth Signell (Bucknell Ornithological Club).

148. Linesville, Pa. (all points within a 15-mile diameter circle, center 2 miles southeast of Linesville, including part of Ohio shore of Pymatuning Reservoir and Conneaut Lake; lake shore 40%, swamp 10%, open fields 25%, towns 5%, mixed woods 20%).—Dec. 20; 7:30 a.m. to 4:30 p.m. Sunny; temp. 2° to 20°; calm; lakes completely frozen, ground covered with 10-15-in. snow. Eight observers in 3 parties. Total party-hours, 19 (13 on foot, 6 by car); total party-miles, 117 (22 on foot, 95 by car). ► Canada Goose, 1468; Mallard, 678; Black Duck, 32; Sharp-shinned Hawk, 2; Red-tailed Hawk, 3; Rough-legged Hawk, 1; Bald Eagle, 1; Sparrow Hawk, 2; Ring-necked Pheasant, 3; Mourning Dove, 2; Yellow-shafted Flicker, 8; Hairy Woodpecker, 3; Downy Woodpecker, 60; Blue Jay, 38; Common Crow, 1; Black-capped Chickadee, 175; Tufted Titmouse, 3; White-breasted Nuthatch, 23; Red-breasted Nuthatch, 1; Brown Creeper, 7; Robin, 18; Golden-crowned Kinglet, 11; Cedar Waxwing, 45; Starling, 175; House Sparrow, 146; Redwinged Blackbird, 1; Cardinal, 40; Am. Goldfinch, 9; Slate-colored Junco, 83; Tree Sparrow, 300; **Fox Sparrow, 1**; Song Sparrow, 20. **Total,** 32 species; about 3360 individuals. (Seen in area count period, but not on count day: Marsh Hawk.)—Sara E. Flaugh (compiler), Dow and Mary Foulke, Roger Harshaw, Robert Leberman, Ronald Leberman, David Woehr, Margery Woehr (Meadville Bird and Tree Club).

149. Lititz, Pa. (all points within a 15-mile diameter circle, center Lititz, including Hammer Creek Valley, White Oak Pond; town suburb 10%, deciduous farm woodlots 30%, farm and pasture 60%).—Dec. 28; 6:30 a.m. to 5 p.m. Clear; temp. 22° to 35°; wind NW, 5-8 m.p.h.; creeks and ponds frozen. Four observers in 2 parties. Total party-hours, 18 (15 on foot, 3 by car); total party-miles, 33 (15 on foot, 18 by car). ► Mallard, 42; Black Duck, 2; Turkey Vulture, 12; Cooper's Hawk, 1; Red-tailed Hawk, 8; Red-shouldered Hawk, 2; Rough-legged Hawk, 1; Sparrow Hawk, 9; Ruffed Grouse, 2; Ring-necked Pheasant, 32; Turkey, 1; Killdeer, 3; Common Snipe, 2; Mourning Dove, 570; Barn Owl, 2; Screech Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 9; Pileated Woodpecker, 2; Red-bellied Woodpecker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 29; Horned Lark, 72; Blue Jay, 13; Common Crow, 1650; Black-capped Chickadee, 24; Tufted Titmouse, 25; White-breasted Nuthatch, 7; Brown Creeper, 3; Winter Wren, 2; Carolina Wren, 9; Mockingbird, 18; Robin, 12; Hermit Thrush, 1; Eastern Bluebird, 4; Golden-crowned Kinglet, 2; Cedar Waxwing, 24; Starling, 8100; **Orange-crowned**

Warbler, 2; Myrtle Warbler, 23; House Sparrow, 900; Eastern Meadowlark, 15; Common Grackle, 600; Brown-headed Cowbird, 450; Cardinal, 21; Purple Finch, 4; Am. Goldfinch, 48; Slate-colored Junco, 197; Tree Sparrow, 165; Field Sparrow, 14; White-crowned Sparrow, **94** (now winter regularly); White-throated Sparrow, 91; Swamp Sparrow, 1; Song Sparrow, 69. **Total,** 54 species; about 13,395 individuals. —Eugene Bowman, Patsy Bowman, Charles Regennas, Barton L. Sharp (compiler) (Lititz Bird Club).

150. **Lower Bucks County, Pa.** (all points within a 15-mile diameter circle, center Fairless Junction 1 mile east of Langhorne as last year; open farmland 20%, town suburbs 5%, evergreen and deciduous woodlands 35%, brush-grown fields 35%, Penn Manor Lakes and Ironworks Reservoir 5%).—Dec. 27; 5 a.m. to 4:30 p.m. Generally fair; temp. 10° to 40°; wind W to NW, 0-10 m.p.h.; ground bare, ice on lakes and streams. Nineteen observers in 8 parties. Total party-hours, 40 (30 on foot, 10 by car); total party-miles, 156 (24 on foot, 132 by car). ► Great Blue Heron, 3; Black-crowned Night Heron, 3; Canada Goose, 5; Mallard, 316; Black Duck, 152; Pintail, 50; Am. Widgeon, 11; Canvasback, 3; Common Goldeneye, 3; Common Merganser, 300; Turkey Vulture, 1; Sharp-shinned Hawk, 1; Red-tailed Hawk, 16; Red-shoulderd Hawk, 5; Marsh Hawk, 2; Sparrow Hawk, 14; Ring-necked Pheasant, 29; Am. Coot, 22; Killdeer, 2; **Great Black-backed Gull,** 1; Herring Gull, 335; Ring-billed Gull, 31; Mourning Dove, 161; Screech Owl, 10; Great Horned Owl, 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 12; **Yellow-bellied Sapsucker,** 1; Hairy Woodpecker, 3; Downy Woodpecker, 51; Horned Lark, 200; Blue Jay, 103; Common Crow, 863; Black-capped Chickadee, 11; Carolina Chickadee, 25; Tufted Titmouse, 47; White-breasted Nuthatch, 4; Brown Creeper, 5; Carolina Wren, 4; Mockingbird, **22**; Robin, 196; Eastern Bluebird, 30; Golden-crowned Kinglet, 15; Water Pipit, 1; Cedar Waxwing, 4; **Loggerhead Shrike,** 1; Starling, 3126; Myrtle Warbler, 22; House Sparrow, 333; Eastern Meadowlark, 83; Redwinged Blackbird, 20; Common Grackle, 6; Cardinal, 67; Purple Finch, 1; Am. Goldfinch, 107; Rufous-sided Towhee, 17; Savannah Sparrow, 1; Slate-colored Junco, 331; Tree Sparrow, 429; Field Sparrow, 29; White-crowned Sparrow, 2; White-throated Sparrow, 625; Fox Sparrow, 1; Song Sparrow, 327; **Lapland Longspur,** 2; Snow Bunting, 175. **Total,** 66 species; about 8784 individuals.—K. Bergstrom, A. Brady, P. Buckingham, O. H. Coles, A. and F. Herzog (compiler), J. Hovey, A. Kronschnabel, J. McIlvain, M. Michener, D. Miller, W. Reynolds, E. Rhine, R. Sehl, R. Smith, L. Sterner, E. and L. Thomas, E. Traub (Neshaminy Valley Nature Club).

151. **New Bloomfield, Pa.** (all points within a 15-mile diameter circle, center New Bloomfield town square as in previous 9 years).—Dec. 28; 5 a.m. to 5 p.m.; temp. 10° to 40°; wind SW, 5 m.p.h.; ponds and creeks mostly frozen. Twelve observers in 4 parties. Total party-hours, 33 (19 on foot, 14 by car); total party-miles, 224 (24 on foot, 200 by car). ► **Canada Goose,** 6; Mallard, 33; Black Duck, 5; Canvasback, 8; Common Goldeneye, 25; Common Merganser, 3; Cooper's Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 2; Marsh Hawk, 2; Sparrow Hawk, 1; Ruffed Grouse, 11; Bobwhite, 3; Ring-necked Pheasant, 5; Killdeer, 4; Common Snipe, 5; Herring Gull, 2; Screech Owl, 1; Great Horned Owl, 8; Belted Kingfisher, 3; Yellow-shafted Flicker, 2; Pileated Woodpecker, 3; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 7; Downy Woodpecker, 43; Horned Lark, 5; Blue Jay, 6; Common Crow, 142; Black-capped Chickadee, 21; Tufted Titmouse, 70; White-breasted Nuthatch, 9; Brown Creeper, 1; Winter Wren, 1; Carolina Wren, 11; Mockingbird, 1; **Catbird,** 2; **Brown Thrasher,** 1; Robin, 3; Eastern Bluebird, 3; Golden-crowned Kinglet, 20; Ruby-crowned Kinglet, 5 (2 parties); Cedar Waxwing, 13; Starling, 1370; Myrtle Warbler, 2; House Sparrow, 798; Eastern Meadowlark, 57; Common Grackle, 4; Brown-headed Cowbird, 46; Cardinal, 127; Purple Finch, 7; Am. Goldfinch, 156; Slate-colored Junco, 360; Tree Sparrow, 315; Field Sparrow, 77; White-throated Sparrow, 85; Song Sparrow, 44. **Total,** 56 species; about 3948 individuals. (Seen in area count period, but not on count day: Rufous-sided Towhee.) —Frank Fry, Donald Mitchell, Leroy Myers, Ruth Myers, John Soule, John Stephenson, O. K. Stephenson (compiler), Frank Tressler, Hilda Tressler, James Tressler, Gwen Wueller, Paul Wueller.

152. **Pennypack Valley, Pa.** (all points within a 15-mile diameter circle, center so as to include Pennypack Creek from Delaware River to Paper Mill Station).—Dec. 27; 7 a.m. to 3 p.m. Clear; temp. 14° to 25°; wind NW, 6 m.p.h. Nine observers in 3 parties. Total party-hours, 8 (5 on foot, 3 by car); total party-miles, 25 (10 on foot, 15 by car). ► Mallard, 2; Pintail, 30; Common Merganser, 5; Red-tailed Hawk, 3; Red-shouldered Hawk, 3; Ring-necked Pheasant, 2; Killdeer, 1; Herring Gull, 87; Ring-billed Gull, 51; Mourning Dove, 40; Screech Owl, 1; Red-shafted Flicker, 1; Downy Woodpecker, 30; Blue Jay, 40; Common Crow, 292; Black-capped Chickadee, 11; Tufted Titmouse, 51; White-breasted Nuthatch, 9; Brown Creeper, 2; Winter Wren, 1; Carolina Wren, 4; Mockingbird, 4; Robin, 34; Eastern Bluebird, 9; Golden-crowned Kinglet, 11; Cedar Waxwing, 39; Starling, 215; Myrtle Warbler, 9; House Sparrow, 67; Redwinged Blackbird, 3; Cardinal, 44; Purple Finch, 4; Am. Goldfinch, 17; Rufous-sided Towhee, 21; Slate-colored Junco, 272; Tree Sparrow, 33; Field Sparrow, 31; White-throated Sparrow, 104; Song Sparrow, 43. **Total,** 39 species; about 1626 individuals.—Alfred F. Leedom (compiler), Frank McLanigan, John McNeill, Eleanor Phillips, Elmer Perrine, Mrs. Elmer Perrine, Richard Sivel, Paul Weirick, William Yoder (Pennypack Valley Bird Club).

153. **Pittsburgh, Pa.** (all points within a 15-mile diameter circle, center about 2½ miles NE of Riverview Park, including Fox Chapel, Frick Park, Glenshaw, Highland Park, Ingomar, Mt. Lebanon-Dor-

mont, North Park, Riverview Park, Schenley Park, Schlag's Farm, Oakhill Manor; deciduous woodland 47%, coniferous woodland 2%, brushland 20%, field 25%, lakes and reservoirs 3%, urban areas 3%).—Dec. 28; 8 a.m. to 5:45 p.m. Partly cloudy; temp. 28° to 48°; wind NE, 3 m.p.h. Twenty-one observers in 11 parties. Total party-hours, 58 (50 on foot, 8 by car); total party-miles, 118 (52 on foot, 66 by car). ► Mallard, 411; Common Goldeneye, 113; Cooper's Hawk, 3; Red-tailed Hawk, 2; Sparrow Hawk, 3; Ring-necked Pheasant, 44; Mourning Dove, 3; Yellow-shafted Flicker, 1; Hairy Woodpecker, 13; Downy Woodpecker, 57; Horned Lark, 1; Blue Jay, 15; Common Crow, 27; Black-capped Chickadee, 105; Tufted Titmouse, 106; White-breasted Nuthatch, 69; Red-breasted Nuthatch, 1; Brown Creeper, 1; Carolina Wren, 3; **Mockingbird, 1**; Robin, 2; **Hermit Thrush, 1**; Starling, 308; House Sparrow, 440; Cardinal, 207; Am. Goldfinch, 14; Slate-colored Junco, 181; Tree Sparrow, 62; **Chipping Sparrow, 6** (carefully identified); White-throated Sparrow, 14; Song Sparrow, 54. **Total,** 31 species; about 2268 individuals.—Helen Blair, Jasper Brown, Jeff Buckwalter, Margaret Buckwalter, Gerald Felmlee, Beulah Frey, Otto Hammel, David Hart, Harold Lyke, Ned Lyke, Charles McMurtry, John Mehner, David Miller, Elizabeth Miller, Richard Miller, Richard Miller, Jr., Daniel Pfoutz, Sylvia Reebel, Sara Schlag, Bernard Van Cleve (compiler), Harriet Westhoff (Audubon Society of Western Pennsylvania).

154. Presque Isle State Park, Pa. (all points within a 15-mile diameter circle; park of 3200 acres with 8 miles of sandy beach; ponds and swamps 40%, deciduous woods 30%, dunes 25%, fields 5%).—Dec. 27; 7:30 a.m. to 4:30 p.m. Partly cloudy to clear; temp. 28° to 42°; wind SW, 5-20 m.p.h.; Lake Erie free of ice except along shore, 3-8-in. snow, bay and ponds frozen. Eleven observers in 3 parties. Total party-hours, 24 (20 on foot, 4 by car); total party-miles, 51 (30 on foot, 21 by car). ► Pied-billed Grebe, 2; Great Blue Heron, 13; Canada Goose, 6; Mallard, 26; Black Duck, 121; Ring-necked Duck, 3; Canvasback, 858; Greater Scaup, 17; Lesser Scaup, 3350; Common Goldeneye, 31; Bufflehead, 3; Common Merganser, 77; Red-breasted Merganser, 15; Red-tailed Hawk, 3; Bald Eagle, 1; Sparrow Hawk, 2; Ruffed Grouse, 2; Ring-necked Pheasant, 1; Am. Coot, 2; **Glaucous Gull, 1** (carefully identified with 30x scope); Great Black-backed Gull, 88; Herring Gull, 1947; Ring-billed Gull, 1064; Mourning Dove, 3; Great Horned Owl, 1; Barred Owl, 1; Yellow-shafted Flicker, 5; Pileated Woodpecker, 1; Red-headed Woodpecker, 3; Downy Woodpecker, 60; Blue Jay, 9; Common Crow, 44; Black-capped Chickadee, 109; Tufted Titmouse, 1; White-breasted Nuthatch, 22; Red-breasted Nuthatch, 9; Brown Creeper, 5; Winter Wren, 1; Carolina Wren, 1; Robin, 3; Golden-crowned Kinglet, 41; Cedar Waxwing, 48; Starling, 244; Myrtle Warbler, 70; House Sparrow, 69; Cardinal, 25; Pine Siskin, 1; Am. Goldfinch, 19; Rufous-sided Towhee, 1; Slate-colored Junco, 19; Tree Sparrow, 29; White-throated Sparrow, 2; Swamp Sparrow, 2; Song Sparrow, 1; Snow Bunting, 4. **Total,** 55 species; about 8486 individuals. (Seen in area count period, but not on count day: Cooper's Hawk, Snowy Owl, Hairy Woodpecker.)—Sara Flaugh, Dow Foulke, Mary Foulke, Robert Leberman, Jean Stull, James Stull (compiler), Margaret Taft, C. H. Trost, David Woehr, Margery Woehr, Lucy M. Wood.

155. Reading, Pa. (all points within a 15-mile diameter circle, center and habitat percentages as last year).—Dec. 21; 7 a.m. to 4:30 p.m. Clear; temp. 26° to 28°; wind NW, 13-17 m.p.h.; ground bare, lakes and ponds mostly frozen. Twenty-one observers in 6 parties. Total party-hours, 41 (22 on foot, 19 by car); total party-miles, 215 (30 on foot, 185 by car). ► Great Blue Heron, 3; Canada Goose, 22; Mallard, 2013; Black Duck, 2019; Pintail, 60; Am. Widgeon, 82; Canvasback, 1; Common Goldeneye, 1; Common Merganser, 10; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 11; Sparrow Hawk, 8; Ruffed Grouse, 4; Bobwhite, 5; Ring-necked Pheasant, 77; Killdeer, 4; Herring Gull, 5; Mourning Dove, 37; Screech Owl, 1; Belted Kingfisher, 8; Yellow-shafted Flicker, 19; Pileated Woodpecker, 1; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 11; Downy Woodpecker, 34; Blue Jay, 37; Common Crow, 3157; Fish Crow, 2; Black-capped Chickadee, 60; Tufted Titmouse, 46; White-breasted Nuthatch, 21; Red-breasted Nuthatch, 4; Brown Creeper, 4; Winter Wren, 3; Carolina Wren, 7; Mockingbird, 6; Catbird, 1; Robin, 23; Eastern Bluebird, 14; Golden-crowned Kinglet, 11; Ruby-crowned Kinglet, 5; Cedar Waxwing, 92; Starling, 1987; Myrtle Warbler, 20; House Sparrow, 453; Eastern Meadowlark, 15; Redwinged Blackbird, 5; Rusty Blackbird, 1; Common Grackle, 2; Brown-headed Cowbird, 5; Cardinal, 53; Evening Grosbeak, 4; Purple Finch, 8; Pine Siskin, 10; Am. Goldfinch, 42; Rufous-sided Towhee, 1; Slate-colored Junco, 189; Tree Sparrow, 93; Chipping Sparrow, 4; White-crowned Sparrow, 2; White-throated Sparrow, 82; **Fox Sparrow, 1**; Swamp Sparrow, 2; Song Sparrow, 49. **Total,** 65 species; about 10,963 individuals.—C. D. Babcock, Norman Boyer, Robert Cook, Luther Epler, Warren Faust, Catharine Feick, Emma Gage, Elsie Holland, Warren Kalbach, Catherine MacDonald, Joseph Malek, Paul Martin, William Miller, Byron Nunemacher, Rose Oaks, Earl Poole, Elizabeth Smith, Howard Snider, Matthew Spence (compiler), Ira Weigley, Mary York (Baird Ornithological Club).

156. Scranton, Pa. (all points within a 15-mile diameter circle, center Clarks Summit State Hospital as in past).—Dec. 28; 7:30 a.m. to 5 p.m. Partly cloudy; temp. 20° to 36°; wind NW, 0-12 m.p.h.; patches of snow on ground. Sixteen observers in 7 parties. Total party-hours, 47 (42 on foot, 5 by car); total party-miles, 92 (20 on foot, 72 by car). ► Mallard, 1; Black Duck, 320; Canvasback, 1; Common Goldeneye, 5; Red-breasted Merganser, 9; Red-tailed Hawk, 1; Sparrow Hawk, 2; Ruffed Grouse, 3; Ring-necked Pheasant, 4; Mourning Dove, 5; Belted Kingfisher, 1; Pileated Woodpecker, 1; Hairy Wood-

pecker, 9; Downy Woodpecker, 35; Blue Jay, 31; Common Crow, 280; Black-capped Chickadee, 118; Tufted Titmouse, 7; White-breasted Nuthatch, 20; Brown Creeper, 7; Winter Wren, 3; Robin, 2; Golden-crowned Kinglet, 1; Cedar Waxwing, 37; Starling, 350; House Sparrow, 450; Rusty Blackbird, 3; Cardinal, 51; Evening Grosbeak, 20; Pine Siskin, 8; Am. Goldfinch, 87; Slate-colored Junco, 38; Tree Sparrow, 70; White-crowned Sparrow, 1; White-throated Sparrow, 1; Song Sparrow, 13. **Total,** 36 species; about 1995 individuals.—Mrs. Francis H. Coffin, Mrs. G. L. Colleran, Elizabeth Crellin, Jessie Cron, Cornelia Davis, Tony Ructor, Mrs. Rupert Harris, Eleanor Jones, Mrs. H. R. Jones, Harold R. Jones (compiler), M. J. Kelly, Alfred Ryan, W. E. Speare, Mrs. John R. Thomas, David Wharton, Ed Williams (Scranton Bird Club).

157. **Southeastern Bradford Co., Pa.** (all points within a 15-mile diameter circle, center 3.6 miles north of Wyalusing on Route 6, including Camptown and vicinity, Susquehanna River from Wysox to Quick's Bend; Susquehanna River 50%, hemlock and mixed hardwood stands 15%, pine groves 5%, residential areas 5%, deciduous woods 10%, farmland and open fields 15%).—Jan. 1; 5:15 a.m. to 6 p.m. Cloudy a.m., sleet p.m.; temp. 22° to 32°; wind S, 2-12 m.p.h.; ground bare, ponds, creeks, part of river frozen. Three observers in 2 parties. Total party-hours, 21 (14 on foot, 7 by car); total party-miles, 100 (20 on foot, 80 by car). ► Mallard, **89**; Black Duck, **393**; **Gadwall, 1**; **Pintail, 1**; Ring-necked Duck, 1; Common Goldeneye, 11; Common Merganser, 100; Red-tailed Hawk, 2; Rough-legged Hawk, 1; Ruffed Grouse, 1; Herring Gull, 1; **Barn Owl, 2**; Screech Owl, 5; Great Horned Owl, 12; **Barred Owl, 1**; **Long-eared Owl, 2**; **Short-eared Owl, 1**; Yellow-shafted Flicker, 2; Hairy Woodpecker, 9; Downy Woodpecker, 33; Blue Jay, 19; Common Crow, 92; Black-capped Chickadee, 59; Tufted Titmouse, 21; White-breasted Nuthatch, **35**; Brown Creeper, **14**; Winter Wren, 2; Carolina Wren, 1; Golden-crowned Kinglet, 3; **Cedar Waxwing, 5**; Starling, 175; House Sparrow, 20; Eastern Meadowlark, **41**; Cardinal, 17; Evening Grosbeak, 3; Pine Siskin, 4; Am. Goldfinch, 66; Slate-colored Junco, 46; Tree Sparrow, 97; **White-crowned Sparrow, 1**; White-throated Sparrow, 2; Song Sparrow, 24. **Total,** 42 species; about 1415 individuals.—Edwin Johnson, Thomas Morgan, William Reid (compiler).

158. **State College, Pa.** (all points within a 15-mile diameter circle, center at Pine Hall 2 miles west of State College, including Bear Meadows, Pennsylvania Furnace, the Barrens, the Rock, Buffalo Run; town and campus 12%, swamps, ponds, streams 15%, fields, fencerows 30%, mixed woodlands 43%).—Dec. 31; 7 a.m. to 5 p.m. Clear; temp. 16° to 33°; wind NE, 1-7 m.p.h.; ground partly covered with ice, streams open. Nineteen observers in 7 parties. Total party-hours, 48 (39 on foot, 9 by car); total party-miles, 274 (31 on foot, 243 by car). ► Mallard, 90; Black Duck, 1; Pintail, 3; Red-tailed Hawk, 5; Rough-legged Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 2; Ring-necked Pheasant, 4; Killdeer, 7; Common Snipe, 7; Mourning Dove, 6; Barn Owl, 1; Great Horned Owl, 1; Short-eared Owl, 1; Belted Kingfisher, 2; Pileated Woodpecker, 3; Red-headed Woodpecker, 3; Hairy Woodpecker, 3; Downy Woodpecker, 18; Horned Lark, 37; Blue Jay, 22; Common Crow, 200; Black-capped Chickadee, 107; Tufted Titmouse, 46; White-breasted Nuthatch, 20; Brown Creeper, 2; Carolina Wren, 1; Mockingbird, 1; Robin, 2; Golden-crowned Kinglet, 2; Cedar Waxwing, 19; Starling, 709; House Sparrow, 479; Eastern Meadowlark, 41; Rusty Blackbird, 1; Common Grackle, 12; Brown-headed Cowbird, 4; Cardinal, 35; Evening Grosbeak, 1; Purple Finch, 4; Pine Grosbeak, 1; Am. Goldfinch, 62; Slate-colored Junco, 191; Tree Sparrow, 119; Song Sparrow, 16. **Total,** 45 species; about 2293 individuals.—Alfred Blackadar, Dorothy Bordner, Mr. and Mrs. E. R. Bordner, James Brewer, John W. Callaghan, William S. Clarke, Jr. (compiler), Robert Compton, Mrs. Alice Fuller, Joseph H. Hummer, Mr. and Mrs. Paul Julian, Mr. and Mrs. P. B. Lovett, Mrs. E. T. McDonald, R. P. Nickelsen, Marjorie Powers, Mrs. C. J. Rowland, Merrill Wood (State College Bird Club).

159. **Warren, Pa.** (all points within a 15-mile diameter circle, center in Warren as in past 7 years).—Dec. 20; 7:30 a.m. to 4:30 p.m. Clear; temp. 0° to 12°; no wind; 12-14-in. snow on ground, streams open. Two observers in 1 party. Total party-hours, 9 (6 on foot, 3 by car); total party-miles, 43 (8 on foot, 35 by car). ► Common Goldeneye, 13; Common Merganser, 1; **Rough-legged Hawk, 1**; Ruffed Grouse, 2; Pileated Woodpecker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 6; Blue Jay, 22; Common Crow, 6; Black-capped Chickadee, 21; Tufted Titmouse, 4; White-breasted Nuthatch, 11; Brown Creeper, 1; Robin, 2; Cedar Waxwing, 13; Starling, 82; House Sparrow, 50; Cardinal, 8; Evening Grosbeak, 7; Purple Finch, 12; Am. Goldfinch, 3; Slate-colored Junco, 44; Tree Sparrow, 48; White-throated Sparrow, 2; Song Sparrow, 6. **Total,** 25 species; about 368 individuals. (Seen in area count period, but not on count day: White-crowned Sparrow.)—William Highhouse, Harris E. Johnson (compiler).

160. **Waynesboro, Pa.** (all points within a 15-mile diameter circle, center on South Peak of Mont Alto Mountain, 1¼ miles northeast of Mont Alto; upland forest 35%, lakes and ponds 20%, stream edges and marshes 15%, fields 15%, brush and fencerows 15%).—Dec. 28; 6 a.m. to 5:30 p.m. Cloudy; temp. 24° to 45°; wind NW, 0-5 m.p.h.; ground bare, all water except spring runs frozen. Six observers in 3 parties. Total party-hours, 23 (14 on foot, 9 by car); total party-miles, 150 (12 on foot, 138 by car). ► Hooded Merganser, 1; Turkey Vulture, **19**; Black Vulture, **3**; Red-tailed Hawk, 1; Sparrow Hawk, 2; Ruffed Grouse, 2; Bobwhite, 12; Ring-necked Pheasant, 1; Killdeer, 11; Common Snipe, **12**; Mourning Dove, 3; Great Horned Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 3;

Pileated Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 8; Downy Woodpecker, 23; Horned Lark, 2; Blue Jay, 2; Common Crow, 750; Fish Crow, **6**; Black-capped Chickadee, 47; Tufted Titmouse, 17; White-breasted Nuthatch, 8; Brown Creeper, 8; Carolina Wren, 5; Mockingbird, 3; Robin, 1; Eastern Bluebird, 1; Golden-crowned Kinglet, 3; Cedar Waxwing, 10; Starling, 1000; House Sparrow, 500; Eastern Meadowlark, 57; **Rusty Blackbird, 6**; Common Grackle, 1; Brown-headed Cowbird, 100; Cardinal, 24; **Evening Grosbeak, 10**; Am. Goldfinch, 4; Slate-colored Junco, 110; Tree Sparrow, 27; Field Sparrow, 1; White-crowned Sparrow, **10**; White-throated Sparrow, 5; Swamp Sparrow, 3; Song Sparrow, 35. **Total,** 48 species; about 2863 individuals. (Seen in area count period, but not on count day: Hermit Thrush, Redwinged Blackbird.) —Mr. and Mrs. Herman D. Beatty, Joseph A. Beatty (compiler), Carl Garner, J. Warren Large, Irving Wines.

161. Wellsboro, Pa. (all points within a 15-mile diameter circle, center in Wellsboro, covering Catlin Hollow, Ely Hill, Wellsboro Junction, suburban Wellsboro; mixed woodlands 40%, cultivated land 20%, waste and idle land 20%, misc. 20%).—Jan. 1; 7 a.m. to 5 p.m. Cloudy, freezing rain, snow; temp. 26° to 32°; wind S, 20 m.p.h.; up to 6-in. snow, water frozen over. Four observers in 2 parties. Total party-hours, 17 (3 on foot, 3 by car, 11 at feeders); total party-miles, 24 (5 on foot, 19 by car). ► Rough-legged Hawk, 2; Turkey, 3; Screech Owl, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 3; Blue Jay, 7; Common Crow, 5; Black-capped Chickadee, 9; White-breasted Nuthatch, 3; Golden-crowned Kinglet, 1; Starling, 35; House Sparrow, 79; Cardinal, 3; Slate-colored Junco, 6; Tree Sparrow, 4. **Total,** 16 species; about 163 individuals.—Robert Scudder, William Scudder (compiler), Mr. and Mrs. Charles G. Webb (Tiadaghton Audubon Society).

162. West Chester, Pa. (all points within a 15-mile diameter circle, center at West Chester; open farmland 54%, overgrown fields 20%, deciduous woods 19%, evergreen plantings 2%, serpentine barrens 1%, towns and suburbs 4%).—Dec. 27; 6 a.m. to 5 p.m. Clear, light overcast p.m.; temp. 8° to 36°; wind SW, 0-10 m.p.h.; ground bare, ponds and major portion of streams frozen. Fifty-six observers in 14 parties. Total party-hours, 130 (84 on foot, 46 by car); total party-miles, 684 (98 on foot, 586 by car). ► Canada Goose, 54; Mallard, 510; Black Duck, 6; Am. Widgeon, 4; Common Merganser, 8; Turkey Vulture, 12; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 35; Red-shouldered Hawk, 10; Marsh Hawk, 3; Sparrow Hawk, 34; Ring-necked Pheasant, 120; Killdeer, 20; Common Snipe, 1; Herring Gull, 3; Ring-billed Gull, 1; Mourning Dove, 127; Screech Owl, 4; Long-eared Owl, 6; **Saw-whet Owl, 1**; Belted Kingfisher, 9; Yellow-shafted Flicker, 45; Red-bellied Woodpecker, 11; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 21; Downy Woodpecker, 144; Horned Lark, 111; Blue Jay, 305; Common Crow, 1434; Black-capped Chickadee, 13; Carolina Chickadee, 93; Tufted Titmouse, 160; White-breasted Nuthatch, 55; Red-breasted Nuthatch, 2; Brown Creeper, 6; Winter Wren, 6; Carolina Wren, 18; Mockingbird, 68; **Catbird, 1**; Robin, 68; Eastern Bluebird, 52; Golden-crowned Kinglet, 17; Ruby-crowned Kinglet, 5; Cedar Waxwing, **106**; Starling, 4274; Myrtle Warbler, 14; House Sparrow, 1217; Eastern Meadowlark, **374**; Redwinged Blackbird, 46; **Baltimore Oriole, 1**; Rusty Blackbird, 2; Common Grackle, 6; Brown-headed Cowbird, 20; Cardinal, 150; Purple Finch, 38; Am. Goldfinch, 430; Rufous-sided Towhee, **33**; Slate-colored Junco, **1733**; Tree Sparrow, 467; Field Sparrow, **66**; White-throated Sparrow, **1170**; Swamp Sparrow, 11; Song Sparrow, **469**. **Total,** 64 species; about 14,236 individuals. (Seen in area count period, but not on count day: Fox Sparrow.)—Charles Abbott, Mrs. Laura W. Abbott, Mr. and Mrs. Harold W. Arndt, Isabelle Behr, Mr. and Mrs. Burdette Bernard, William S. Birkhead, Thomas D. Brown, William S. Brown, Mrs. C. R. Bryan, Rodney Clingaman, Robert E. Cook, Paul Earley, Mrs. Abner W. Few, Violet L. Findlay, Mrs. Helen I. Fletcher, Mr. and Mrs. John S. Frankenfield, Lillian Gest, Margaret S. Goodwin, Dr. and Mrs. Robert B. Gordon, Mr. and Mrs. Taylor Herron, Edna Hess, Mrs. John Highberger, Beryl E. Hurlock, Phyllis L. Hurlock (compiler), Mrs. Donald Kitchin, Thornton E. Kline, Mrs. James E. Knox, Mr. and Mrs. Herman F. Kuch, Jr., Paul T. MacIntire, Elizabeth Madeira, Viola Messmer, Mrs. George Mohler, Mrs. Mary Oliver, William Oliver, Mrs. William I. Pendergrast, Pauline Ramstine, Edward P. Street, Jr., Mary L. Thomas, Mr. and Mrs. Rodman Ward, Margaret Whitecar, Mr. and Mrs. E. Shippen Willing, Jr., Elizabeth Wood.

163. Wyncote, Pa. (all points within a 15-mile diameter circle, center Brier Bush Bird Sanctuary in Roslyn as in previous years).—Dec. 21; 7:30 a.m. to 4:30 p.m. Partly cloudy; temp. 14° to 26°; wind NW, 7-17 m.p.h.; ground bare, creeks open, still water frozen. Thirteen observers in 4 parties. Total party-hours, 33 (27 on foot, 6 by car); total party-miles, 64 (24 on foot, 40 by car). ► Canada Goose, 107; Mallard, 79; **Wood Duck, 1** (present since fall); Red-tailed Hawk, 1; Red-shouldered Hawk, 3; Sparrow Hawk, 3; Ring-necked Pheasant, 23; Killdeer, 5; **Common Snipe, 1** (J. A., F. M.); Mourning Dove, 124; Belted Kingfisher, 1; Yellow-shafted Flicker, 2; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 6; Downy Woodpecker, 24; Blue Jay, 56; Common Crow, 160; Black-capped Chickadee, 6; Tufted Titmouse, 45; White-breasted Nuthatch, 8; Red-breasted Nuthatch, 1; Brown Creeper, 2; Carolina Wren, 1; Mockingbird, 21; Robin, 8; Hermit Thrush, 1; Eastern Bluebird, 14; Golden-crowned Kinglet, 4; Cedar Waxwing, 44; Starling, 663; Myrtle Warbler, 2; House Sparrow, 214; Common Grackle, 7; Brown-headed Cowbird, 4; Cardinal, 55; Purple Finch, 14; Am. Goldfinch, 35; Rufous-sided Towhee, **25**; Slate-colored Junco, 333; Tree Sparrow, 59; Field Sparrow, 35; White-throated Sparrow, 256;

Fox Sparrow, 6; Swamp Sparrow, 1; Song Sparrow, 21. **Total,** 45 species; about 2482 individuals.—J. R. Ambacher, Mrs. W. Custer, J. Dornan, Alice Fasy, Mrs. F. C. Griscom, Dr. and Mrs. C. G. Grosscup, J. A. Lindemann, F. Mears, E. H. Parry (compiler), F. M. Ramsey, W. A. Schilling, Ruth Weber (Wyncote Bird Club).

164. **York, Pa.** (all points within a 15-mile diameter circle, center Stony Brook 3 miles east of York, including York, Wrightsville, Susquehanna River north to Wago).—Dec. 27; 8 a.m. to 5 p.m. Clear; temp. 5° to 30°; wind W, 5 m.p.h. Sixteen observers in 5 parties. Total party-hours, 34 (17 on foot, 17 by car); total party-miles, 199 (25 on foot, 174 by car). ► Mallard, 312; Black Duck, 1152; Am. Widgeon, 7; Common Goldeneye, 9; Bufflehead, 3; Common Merganser, 24; Red-tailed Hawk, 3; Marsh Hawk, 2; Sparrow Hawk, 4; Bobwhite, 1; Ring-necked Pheasant, 19; Killdeer, 6; Herring Gull, 10; Ring-billed Gull, 1; Mourning Dove, 3; Barn Owl, 1; Screech Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 11; Pileated Woodpecker, 1; Red-bellied Woodpecker, 3; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 27; Horned Lark, 75; Blue Jay, 3; Common Crow, 1773; Fish Crow, 12; Black-capped Chickadee, 30; Carolina Chickadee, 12; Tufted Titmouse, 60; White-breasted Nuthatch, 8; Brown Creeper, 14; Winter Wren, 5; Carolina Wren, 19; Mockingbird, 21; Hermit Thrush, 1; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 1; Starling, 1576; Myrtle Warbler, 32; House Sparrow, 598; Eastern Meadowlark, 37; Brown-headed Cowbird, 105; Cardinal, 72; Purple Finch, 4; Am. Goldfinch, 24; Rufous-sided Towhee, 1; Slate-colored Junco, 180; Tree Sparrow, 36; Field Sparrow, 19; White-crowned Sparrow, 2; White-throated Sparrow, 176; Fox Sparrow, 1; Song Sparrow, 35. **Total,** 55 species; about 6538 individuals. —Mr. and Mrs. Raymond Bubb, Viola Dietz, Mrs. George Dressler, Jack Falkenstine, Mary Neiman, Mr. and Mrs. Theodore Hake, Anna Reinecke, Mr. and Mrs. Wesley Schmidt, Dorothy Schwartzer, Albert Spiese, James H. Stein, Jr. (compiler), Elaine Tompkins, Mrs. Louis Williams, Sylvia Yeager.

165. **Bombay Hook National Wildlife Refuge, Del.** (all points within a 15-mile diameter circle, center 3½ miles SE of Refuge Headquarters; no airplane coverage as in past 4 years).—Dec. 21; 4 a.m. to 5 p.m.; temp. 11° to 22°; wind N to NW, 10-20 m.p.h.; lakes frozen, river open. Nineteen observers in 7 parties. Total party-hours, 64 (30 on foot, 34 by car); total party-miles, 420 (60 on foot, 360 by car). ► Common Loon, 1; Horned Grebe, 3; Pied-billed Grebe, 1; Great Blue Heron, 21; Black-crowned Night Heron, 16; Am. Bittern, 1; Canada Goose, 10,492; Snow Goose, 5; Blue Goose, 2; Mallard, 12,290; Black Duck, 5800; Gadwall, 4; Pintail, 285; Green-winged Teal, 37; Am. Widgeon, 308; Shoveler, 2; Wood Duck, 1; Ring-necked Duck, 3; Canvasback, 48; Greater Scaup, 1520; Lesser Scaup, 7; Common Goldeneye, 21; Bufflehead, 4; Oldsquaw, 11; Common Scoter, 2; Ruddy Duck, 2; Hooded Merganser, 3; Common Merganser, 14; Turkey Vulture, 138; Black Vulture, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 17; Red-shouldered Hawk, 24; Rough-legged Hawk, 19; Bald Eagle, 1; Marsh Hawk, 111; Peregrine Falcon, 1; Sparrow Hawk, 41; Bobwhite, 34; Ring-necked Pheasant, 1; Clapper Rail, 1; **Virginia Rail,** 1; Am. Coot, 3; **Am. Woodcock,** 1; Common Snipe, 2; Great Black-backed Gull, 14; Herring Gull, 572; Ring-billed Gull, 5027; Mourning Dove, 106; Barn Owl, 1; Screech Owl, 1; Great Horned Owl, 3; Barred Owl, 1; Short-eared Owl, 3; Saw-whet Owl, 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 65; Red-bellied Woodpecker, 59; Hairy Woodpecker, 9; Downy Woodpecker, 81; Horned Lark, 63; **Tree Swallow, 190**; **Barn Swallow, 2** (studied at close range—D. C., E. C.); Blue Jay, 75; Common Crow, 7775; Fish Crow, 18; Black-capped Chickadee, 3; Carolina Chickadee, 114; Tufted Titmouse, 2; White-breasted Nuthatch, 3; Red-breasted Nuthatch, 3; Brown Creeper, 12; Winter Wren, 5; Carolina Wren, 24; Long-billed Marsh Wren, 1; Mockingbird, 39; Catbird, 3; Brown Thrasher, 2; Robin, 642; Hermit Thrush, 2; Eastern Bluebird, 6; Golden-crowned Kinglet, 10; Water Pipit, 10; Cedar Waxwing, 2; Starling, 32,725; Myrtle Warbler, 1161; House Sparrow, 1357; Eastern Meadowlark, 1765; Redwinged Blackbird, 250,000; Rusty Blackbird, 57; **Brewer's Blackbird, 10**; Common Grackle, 190,000; Brown-headed Cowbird, 100,000; Cardinal, 295; Purple Finch, 10; Pine Siskin, 1; Am. Goldfinch, 132; Rufous-sided Towhee, 86; Savannah Sparrow, 49; Sharp-tailed Sparrow, 4; Seaside Sparrow, 1; Vesper Sparrow, 2; Slate-colored Junco, 470; Tree Sparrow, 519; Field Sparrow, 168; White-throated Sparrow, 2016; Fox Sparrow, 11; Swamp Sparrow, 355; Song Sparrow, 1780; Snow Bunting, 2. **Total,** 111 species; about 629,233 individuals.—David Cadbury, Joel Cadbury, Joe Cadbury, E. Choate, Betty Cutler, D. Cutler (compiler), H. Cutler, N. Fitelson, S. Hughes, A. Kronschnauble, H. Matthews, P. McCord, S. Mulligan, J. Miller, C. Price, Ed Reimann, W. Reynolds, J. Sawyer, J. Sterner.

166. **Middletown, Del.** (all points within a 15-mile diameter circle, center Odessa since 1956).—Dec. 27; 7:15 a.m. to 5 p.m. Clear; temp. 12° to 42°; wind S, 1-12 m.p.h.; ground bare, streams and ponds frozen, much drift ice on river. Nine observers in 3 parties. Total party-hours, 23 (19 on foot, 4 by car); total party-miles, 121 (14 on foot, 107 by car). ► Great Blue Heron, 26; Canada Goose, 284; Mallard, 74; Black Duck, 233; Canvasback, 175; Lesser Scaup, 1; Common Goldeneye, 28; Oldsquaw, 30; Common Merganser, 46; Turkey Vulture, 40; Sharp-shinned Hawk, 2; Red-tailed Hawk, 7; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Bald Eagle, 1; Marsh Hawk, 10; Sparrow Hawk, 8; Killdeer, 2; Great Black-backed Gull, 13; Herring Gull, 45; Ring-billed Gull, 93; Mourning Dove, 37; Belted Kingfisher, 5; Yellow-shafted Flicker, 1; Red-bellied Woodpecker, 10; Hairy Woodpecker, 1; Downy Woodpecker, 10; Horned Lark, 14; Blue Jay, 13; Common Crow, 41; Carolina Chickadee, 23; Tufted

Titmouse, 3; White-breasted Nuthatch, 1; Carolina Wren, 2; Mockingbird, 8; **Catbird, 1** (W. H. A.); Robin, 6; Ruby-crowned Kinglet, 1; Starling, 950; Myrtle Warbler, 15; House Sparrow, 93; Eastern Meadowlark, 68; Redwinged Blackbird, 393; **Brewer's Blackbird, 1** (S. P., W. P.); Common Grackle, 130; Brown-headed Cowbird, 32; Cardinal, 23; Am. Goldfinch, 5; Rufous-sided Towhee, 1; Savannah Sparrow, 4; **Sharp-tailed Sparrow, 1**; Slate-colored Junco, 80; Tree Sparrow, 8; Field Sparrow, 1; White-throated Sparrow, 67; Swamp Sparrow, 4; Song Sparrow, 27. **Total,** 57 species; about 3200 individuals.—William C. Amos, William H. Amos, Elizabeth Brady, Ethel Brady, Heidi Moss, Robert Moss, Jr., Stuyvesant Pell, Walden Pell II (compiler), Margaret Smithers.

167. Rehoboth, Del. (all points within a 15-mile diameter circle, center in Indian River Bay as in past 2 years; habitat percentages as last year).—Jan. 1; 4 a.m. to 4:30 p.m. Fair a.m., rain p.m.; temp. 25° to 40°; wind E, 5-10 m.p.h.; ground bare, ponds and streams ¼ open. Six observers in 4 parties. Total party-hours, 56 (38 on foot, 18 by car); total party-miles, 232 (20 on foot, 212 by car). ► Common Loon, 55; Red-throated Loon, 75; Horned Grebe, 150; Pied-billed Grebe, 4; Great Blue Heron, 14; Am. Bittern, 2; Canada Goose, 650; Brant, 2000; Snow Goose, 132; Mallard, 10; Black Duck, 34; Green-winged Teal, 40; Am. Widgeon, 250; Canvasback, 3000; Greater Scaup, 56; Common Goldeneye, 270; Bufflehead, 700; Oldsquaw, 34; White-winged Scoter, 36; Surf Scoter, 130; Common Scoter, 13; Ruddy Duck, 15; Common Merganser, 4; Red-breasted Merganser, 67; Turkey Vulture, 242; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 7; Red-shouldered Hawk, 1; Bald Eagle, 2; Marsh Hawk, 6; Sparrow Hawk, 14; Bobwhite, 45; King Rail, 1; Clapper Rail, 1; Am. Coot, 40; Killdeer, 4; Black-bellied Plover, 1; Greater Yellowlegs, 1; Purple Sandpiper, 4; Dunlin 6; **Western Sandpiper, 1**; Sanderling, 90; Great Black-backed Gull, 160; Herring Gull, 1300; Ring-billed Gull, 2600; Bonaparte's Gull, 6; Mourning Dove, 85; Great Horned Owl, 5; Barred Owl, 1; Belted Kingfisher, 8; Yellow-shafted Flicker, 34; Red-bellied Woodpecker, 1; Hairy Woodpecker, 13; Downy Woodpecker, 35; Horned Lark, 17; Blue Jay, 92; Common Crow, 690; Fish Crow, 7; Carolina Chickadee, 90; Tufted Titmouse, 67; **Brown-headed Nuthatch, 11**; Brown Creeper, 10; Carolina Wren, 34; Mockingbird, 47; Catbird, 3; Brown Thrasher, 3; Robin, 690; Hermit Thrush, 3; Eastern Bluebird, 25; Golden-crowned Kinglet, 100; Ruby-crowned Kinglet, 2; Cedar Waxwing, 4; Loggerhead Shrike, 2; Starling, 3000; Myrtle Warbler, 700; Pine Warbler, 3; House Sparrow, 775; Eastern Meadowlark, 175; Redwinged Blackbird, 2000; Common Grackle, 15,000; Brown-headed Cowbird, 2000; Cardinal, 173; Purple Finch, 4; Am. Goldfinch, 235; Rufous-sided Towhee, 76; Savannah Sparrow, 67; Sharp-tailed Sparrow, 4; Seaside Sparrow, 12; Vesper Sparrow, 1; Slate-colored Junco, 206; Tree Sparrow, 28; Field Sparrow, 90; White-throated Sparrow, 490; Fox Sparrow, 6; Swamp Sparrow, 50; Song Sparrow, 318; **Lapland Longspur, 3**; Snow Bunting, 35. **Total,** 99 species; about 39,805 individuals. (Seen in area count period, but not on count day: Shoveler, Redhead, Hooded Merganser.)—Joel Abramson, David Cutler, Mr. and Mrs. Herbert Cutler, Henry Matthews (compiler), Paul Schwalbe.

168. Accokeek, Md. (all points within a 15-mile diameter circle; east side of Potomac River from Bryan's Point east along south side of Piscataway Creek to Indian Head Highway; about 3 sq. miles of river and bay front, cultivated river flat, cattail marsh, wooded swamp, wooded creek-bottom, border of adjacent wooded upland).—Dec. 23; 7:30 a.m. to 4 p.m. Cloudy; temp. 37° to 60°; wind S, 0-30 m.p.h.; ground bare, old ice in marshes, river open but bays with residual ice. Four observers in 4 parties. Total party-hours, 27; total party-miles, 22 (all on foot). ► Great Blue Heron, 2; Mallard, 45; Black Duck, 10; scaup (sp.), 200; Ruddy Duck, 100; Common Merganser, 17; duck (sp.), 500; Turkey Vulture, 8; Black Vulture, 1; Sharp-shinned Hawk, 1; Red-tailed Hawk, 4; Red-shouldered Hawk, 2; Bald Eagle, 1; Sparrow Hawk, 1; Bobwhite, 28; Killdeer, 4; Herring Gull, 70; Ring-billed Gull, 120; Mourning Dove, 165; Belted Kingfisher, 2; Yellow-shafted Flicker, 16; Pileated Woodpecker, 4; Red-bellied Woodpecker, 30; Red-headed Woodpecker, 5; Yellow-bellied Sapsucker, 7; Hairy Woodpecker, 5; Downy Woodpecker, 20; Blue Jay, 60; Common Crow, 50; Carolina Chickadee, 50; Tufted Titmouse, 50; White-breasted Nuthatch, 3; Brown Creeper, 1; Winter Wren, 4; Carolina Wren, 16; Mockingbird, 8; Robin, 6; Hermit Thrush, 1; Golden-crowned Kinglet, 22; Cedar Waxwing, 10; Starling, 400; Myrtle Warbler, 80; House Sparrow, 40; Eastern Meadowlark, 20; Redwinged Blackbird, 80; Cardinal, 50; Am. Goldfinch, 14; Rufous-sided Towhee, 3; Savannah Sparrow, 1; Slate-colored Junco, 250; Tree Sparrow, 1; Field Sparrow, 100; White-throated Sparrow, 300; Fox Sparrow, 2; Swamp Sparrow, 9; Song Sparrow, 70. **Total,** 55 species; about 2569 individuals.—A. A. Baker, Edwin T. McKnight (compiler), Thomas B. Nolan, W. W. Rubey.

169. Annapolis and Gibson Island, Md. (all points within a 15-mile diameter circle, center at west end of upper Severn River Bridge as previously).—Dec. 21; 5 a.m. to 6 p.m. Cloudy to clear; temp. 20° to 31°; wind WNW, 10-20 m.p.h.; Chesapeake Bay open, rivers and creeks frozen, ground bare. Eighty-five observers (20 at feeders) in 27 parties. Total party-hours, 212 (99 on foot, 113 by car); total party-miles, 732 (130 on foot, 602 by car). ► Horned Grebe, 102; Pied-billed Grebe, 8; Great Blue Heron, 21; Whistling Swan, 2008; Canada Goose, 129; Mallard, 141; Black Duck, 291; Pintail, 3; **European Widgeon, 1** (T. S., C. R.); Am. Widgeon, 742; Wood Duck, 1; Redhead, 43; Ring-necked Duck, 4; Canvasback, 4135; scaup (Greater and Lesser), 656; Common Goldeneye, 975; Bufflehead, 243; Oldsquaw, 77; White-winged Scoter, 10; Ruddy Duck, 6484; Hooded Merganser, 9; Turkey Vulture, 54; Black

Vulture, 7; Sharp-shinned Hawk, 3; Red-tailed Hawk, 6; Red-shouldered Hawk, 6; Bald Eagle, 6; Marsh Hawk, 2; Peregrine Falcon, 1; Sparrow Hawk, 8; Bobwhite, **287**; **Ring-necked Pheasant, 2** (E. B.); Virginia Rail, 6; Am. Coot, 867; Killdeer, 44; Am. Woodcock, 1; Common Snipe, 2; Great Black-backed Gull, 3; Herring Gull, 556; Ring-billed Gull, 24; Laughing Gull, 1; **Caspian Tern, 1** (close study—E. G. T.); Mourning Dove, 145; Screech Owl, 3; Great Horned Owl, 1; Barred Owl, 3; Belted Kingfisher, 31; Yellow-shafted Flicker, 106; **Pileated Woodpecker, 3** (2 F. S., 1 R. C.); Red-bellied Woodpecker, 143; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 16; Hairy Woodpecker, 29; Downy Woodpecker, 124; Horned Lark, 8; Blue Jay, 224; Common Crow, 795; Fish Crow, 10; Carolina Chickadee, 438; Tufted Titmouse, 288; White-breasted Nuthatch, 19; Brown Creeper, 20; Winter Wren, 6; Carolina Wren, 128; Long-billed Marsh Wren, 2; Mockingbird, 244; Catbird, 12; Brown Thrasher, 2; Robin, 25; Hermit Thrush, 3; Eastern Bluebird, 76; Golden-crowned Kinglet, 82; Ruby-crowned Kinglet, 4; Cedar Waxwing, 7; Starling, 4088; Myrtle Warbler, 133; House Sparrow, 975; Eastern Meadowlark, 242; Redwinged Blackbird, 245; Rusty Blackbird, 47; Common Grackle, 2; Brown-headed Cowbird, 63; Cardinal, 747; Purple Finch, 53; Pine Siskin, 1; Am. Goldfinch, 231; Rufous-sided Towhee, 84; Savannah Sparrow, 2; Slate-colored Junco, **1951**; Tree Sparrow, 44; Field Sparrow, 226; White-crowned Sparrow, 2; White-throated Sparrow, 1827; Fox Sparrow, 15; Swamp Sparrow, 19; Song Sparrow, 854; Snow Bunting, 61. **Total,** 98 species; about 32,880 individuals.—C. Abbott, E. Barry, C. Bennett, Mr. and Mrs. W. Bodenstein, D. Bridge, Mrs. R. Bristow, C. Buchanan, Mrs. Gladys Cole, Mr. and Mrs. W. Conrad, R. Cornell, Mrs. J. Criswell, D. Curran, R. Donald, John and David Fales, R. Feller, Mr. and Mrs. H. Garner, B. Getchell, Mrs. M. Goldman, Mr. and Mrs. P. Goldsborough, Mr. and Mrs. H. and Don Hall, Martha Hamberg, Mrs. Richard Henderson, Judge and Mrs. W. Henderson, Mr. and Mrs. D. Howard, J. Kidd, David and Robert Langdon, Dr. and Mrs. C. Lawrence, P. Locke, Mr. and Mrs. C. Long, R. Longanecker, Seth Low, Mrs. M. Luff, D. T. McQuoid, Mr. and Mrs. D. Miner, D. Morrill, Mrs. M. Murison, Mrs. M. North, M. Pelton, L. Phelps, C. S. Robbins, F. Sanders, T. Stiles, Father Ed. Stoehr, H. Sturdy, Mrs. F. Symington, Mrs. E. G. Tappan, Harold and Hal Wierenga, Mrs. E. P. Wilson, E. P. Wilson (compiler), J. E. M. and Elizabeth Wood, M. Wright.

170. **Catoctin Mountain, Md.** (all points within a 15-mile diameter circle, center 1.3 miles west of Thurmont since 1949).—Dec. 20; 4:50 a.m. to 9 p.m. Cloudy a.m., clear p.m.; temp. 40° to 18°; wind NW, 20-25 m.p.h.; ground bare, ponds frozen, streams frozen except for fast water. Fifteen observers in 5 parties. Total party-hours, 56 (31 on foot, 25 by car); total party-miles, 347 (34 on foot, 313 by car). ► Mallard, 33; Black Duck, 21; Green-winged Teal, 1; Common Merganser, 6; Turkey Vulture, 32; Cooper's Hawk, 2; Red-tailed Hawk, 12; Red-shouldered Hawk, **6**; Marsh Hawk, 6; Sparrow Hawk, 7; Ruffed Grouse, 11; Bobwhite, 20; Ring-necked Pheasant, 6; Killdeer, 4; **Herring Gull, 1** (W. S.); Mourning Dove, 63; Screech Owl, 1; Great Horned Owl, **8**; Barred Owl, 1; Yellow-shafted Flicker, 16; Red-bellied Woodpecker, 9; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 9; Downy Woodpecker, 65; Horned Lark, 71; Blue Jay, 27; Common Crow, **11,178**; Fish Crow, 23; Black-capped Chickadee, 6; Carolina Chickadee, 97; Tufted Titmouse, 76; White-breasted Nuthatch, 10; Brown Creeper, **38**; Winter Wren, 5; Carolina Wren, 21; Mockingbird, 36; Robin, 1; Hermit Thrush, 1; Eastern Bluebird, 34; Golden-crowned Kinglet, 26; Ruby-crowned Kinglet, 1; Loggerhead Shrike, 2; Starling, **9277**; House Sparrow, 930; Eastern Meadowlark, 95; Redwinged Blackbird, 5; Common Grackle, **25**; Brown-headed Cowbird, **136**; Cardinal, 222; Purple Finch, 1; Am. Goldfinch, 239; Rufous-sided Towhee, 3; Vesper Sparrow, 4; Slate-colored Junco, 687; Tree Sparrow, 156; Field Sparrow, 60; White-crowned Sparrow, 31; White-throated Sparrow, **225**; **Fox Sparrow, 3** (C. M., R. S.); Swamp Sparrow, 10; Song Sparrow, 180; **Lapland Longspur, 3** (first inland record for state—R. S., T. S.). **Total,** 62 species; about 24,286 individuals. (Seen in area count period, but not on count day: Belted Kingfisher, Evening Grosbeak.)—Mr. and Mrs. Sterling W. Edwards, Sterling W. Edwards, Jr., Seth H. Low, Seth T. Low, Mrs. Lloyd L. Mallonee, Jr., William O. Meredith, Charles L. Mullican, Mrs. John W. Richards, John W. Richards (compiler), Chandler S. Robbins, William N. Shirey, Sue C. Stauffer, Ted W. Stiles, Robert A. Sundell.

171. **Denton, Md.** (all points within a 15-mile diameter circle, center as in last 8 years).—Dec. 20; 4:30 a.m. to 5 p.m. Cloudy a.m., clearing p.m.; temp. 36° to 30°; wind NW, 8-20 m.p.h.; ground partly covered with snow, almost all water surface frozen. Thirteen observers in 10 parties. Total party-hours, 47 (31 on foot, 16 by car); total party-miles, 321 (22 on foot, 299 by car). ► Pied-billed Grebe, 1; Great Blue Heron, 4; **Little Blue Heron, 1** (carefully identified—R. K., E. A.); Mallard, 14; Black Duck, 68; Common Merganser, 1; Turkey Vulture, 175; Cooper's Hawk, 1; Red-tailed Hawk, 15; Red-shouldered Hawk, 1; Marsh Hawk, 16; Sparrow Hawk, 14; Bobwhite, 67; Killdeer, 2; **Common Snipe, 1**; Herring Gull, 17; Ring-billed Gull, 30; Mourning Dove, 507; Great Horned Owl, 3; Belted Kingfisher, 4; Yellow-shafted Flicker, 16; Red-bellied Woodpecker, 22; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 7; Downy Woodpecker, 22; Horned Lark, 26; Blue Jay, 46; Common Crow, 263; Fish Crow, 3; Carolina Chickadee, 80; Tufted Titmouse, 56; White-breasted Nuthatch, 2; Brown Creeper, 6; Winter Wren, 7; Carolina Wren, 10; Mockingbird, 35; **Catbird, 1**; Robin, 171; Hermit Thrush, 5; Eastern Bluebird, 52; **Blue-gray Gnatcatcher, 2** (carefully studied—J. S.); Golden-crowned Kinglet, 23; Cedar Waxwing, 4; Loggerhead Shrike, 2; Starling, 1602; Myrtle Warbler, 14; **Pine Warbler, 3**; Palm Warbler, 1; House Sparrow, 435; Eastern

Meadowlark, 579; Redwinged Blackbird, 441; Common Grackle, 59; Brown-headed Cowbird, 224; Cardinal, 148; Am. Goldfinch, 77; Rufous-sided Towhee, **45**; Savannah Sparrow, 7; Vesper Sparrow, 2; Slate-colored Junco, 594; Field Sparrow, 108; White-crowned Sparrow, 26; White-throated Sparrow, 683; Fox Sparrow, **15**; Swamp Sparrow, 6; Song Sparrow, 88. **Total,** 65 species; about 6963 individuals.—Edith Adkins, Elsie Bilbrough, Winifred Bright, Margarete Butenschoen, A. J. Fletcher (compiler), Roberta B. Fletcher, Marvin W. Hewitt, Naomi W. Hewitt, Richard L. Kleen, Alicia Knotts, Terry Moore, Jaquelin Smith, Salome Somers.

172. Elkton, Md. (all points within a 15-mile diameter circle, center 6 miles southwest of Elkton as in 1957).—Dec. 31; 7:10 a.m. to 5:20 p.m. Clear; temp. 28° to 39°; wind N, 1-10 m.p.h.; ground bare, streams frozen, rivers open. Five observers in 2 parties. Total party-hours, 16 (11 on foot, 5 by car); total party-miles, 136 (6 on foot, 130 by car). ► Whistling Swan, 1600; Canada Goose, 127; Mallard, 9; Black Duck, 74; Canvasback, 3230; Common Goldeneye, 59; Common Merganser, 11; Turkey Vulture, 19; Sharp-shinned Hawk, 3; Red-tailed Hawk, 2; Red-shouldered Hawk, 2; Bald Eagle, 2; Marsh Hawk, 1; Sparrow Hawk, 3; Bobwhite, 3; Great Black-backed Gull, 7; Herring Gull, 38; Ring-billed Gull, 31; Mourning Dove, 4; Great Horned Owl, 1; Yellow-shafted Flicker, 4; Red-bellied Woodpecker, 5; Hairy Woodpecker, 3; Downy Woodpecker, 4; Blue Jay, 9; Common Crow, 28; Carolina Chickadee, 9; Tufted Titmouse, 8; Brown Creeper, 3; Carolina Wren, 9; Mockingbird, 6; Eastern Bluebird, 4; Golden-crowned Kinglet, 12; Starling, 226; Myrtle Warbler, 6; House Sparrow, 98; Eastern Meadowlark, 13; Redwinged Blackbird, 67; Common Grackle, 100; Brown-headed Cowbird, 2; Cardinal, 20; Am. Goldfinch, 26; Rufous-sided Towhee, 2; Slate-colored Junco, 169; Tree Sparrow, 46; Field Sparrow, 22; White-throated Sparrow, 40; Fox Sparrow, 1; Song Sparrow, 9. **Total,** 49 species; about 6177 individuals.—Elizabeth Brady, Edith Pell, Walden Pell II (compiler), Margaret Smithers, Barbara Ward.

173. Loch Raven, Md. (all points within a 15-mile diameter circle, center at Bridge #1, Loch Raven Reservoir; seral stages 30 to 40 years after cultivation 45%, deciduous forest 35%, coniferous plantations 10%, cultivated land 10%).—Dec. 31; 6:15 a.m. to 5:15 p.m. Clear; temp. 23° to 38°; wind NW, 5-8 m.p.h.; ground bare, ice on inlets from lake. One observer. Total hours, 11 (10 on foot, 1 by car); total miles, 28 (12 on foot, 16 by car). ► Common Loon, 1; Mallard, 8; Black Duck, 7; Common Goldeneye, 1; Common Merganser, 21; Turkey Vulture, 46; Black Vulture, 4; Red-shouldered Hawk, 2; Sparrow Hawk, 1; Herring Gull, 2; Mourning Dove, 2; Great Horned Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 2; Red-bellied Woodpecker, 3; Downy Woodpecker, 11; Blue Jay, 4; Common Crow, 37; Carolina Chickadee, 8; Tufted Titmouse, 4; Brown Creeper, 3; Carolina Wren, 1; Robin, 1; Ruby-crowned Kinglet, 1; Starling, 431; Myrtle Warbler, 3; Redwinged Blackbird, 12; Cardinal, 21; Am. Goldfinch, 8; Rufous-sided Towhee, 3; Slate-colored Junco, 35; Tree Sparrow, 11; Field Sparrow, 3; White-throated Sparrow, 55; Swamp Sparrow, 2; Song Sparrow, 16. **Total,** 36 species; about 773 individuals.—Haven Kolb.

174. Lower Kent County, Md. (all points within a 15-mile diameter circle, center ¾ mile northeast of Crosby, including most of Eastern Neck Island, Rock Hall, Tolchester Beach, Fairlee, Brice's Mill Pond, Quaker Neck Landing; tidal water 30%, deciduous woodland 20%, open fields 20%, coniferous woodland 10%, hedgerows 10%, fresh-water ponds 6%, tidal marsh 4%).—Dec. 28; 12:01 a.m. to 6 p.m. Early rain, then overcast; temp. 30° to 46°; wind S, 0-15 m.p.h.; ground clear, extensive shore ice, ponds frozen. Twenty-nine observers in 7 parties. Total party-hours, 133½ (72 on foot, 60 by car, 1½ by boat); total party-miles, 320 (13 on foot, 297 by car, 10 by boat). ► Common Loon, 1; Horned Grebe, 4; Pied-billed Grebe, 3; Great Blue Heron, 10; **Black-crowned Night Heron,** 1; Whistling Swan, 3182; Canada Goose, 24,646; Snow Goose, 1; Blue Goose, 1; Mallard, 8297; Black Duck, 9322; Gadwall, 2; Pintail, 446; Am. Widgeon, 455; **Wood Duck,** 4; Redhead, 137; Canvasback, 7728; Greater and Lesser Scaup, 1412; Common Goldeneye, 755; Bufflehead, **138**; Oldsquaw, **127**; Ruddy Duck, 71; Turkey Vulture, 129; Black Vulture, 3; Cooper's Hawk, 3; Red-tailed Hawk, 14; Red-shouldered Hawk, 9; Bald Eagle, 1; Marsh Hawk, 13; Sparrow Hawk, 21; Bobwhite, 64; Am. Coot, 628; Killdeer, 7; Great Black-backed Gull, **33**; Herring Gull, 275; Ring-billed Gull, 236; Mourning Dove, 18; Screech Owl, 1; Great Horned Owl, 6; Barred Owl, 5; Belted Kingfisher, 5; Yellow-shafted Flicker, 33; Red-bellied Woodpecker, 21; Hairy Woodpecker, 4; Downy Woodpecker, 23; Blue Jay, 111; Common Crow, 333; Fish Crow, 11; Carolina Chickadee, 40; Tufted Titmouse, 17; Red-breasted Nuthatch, 1; Brown Creeper, 1; Winter Wren, 1; Carolina Wren, 13; Mockingbird, 97; Robin, 179; Eastern Bluebird, 29; Golden-crowned Kinglet, 4; Cedar Waxwing, 30; Starling, 1289; Myrtle Warbler, 232; House Sparrow, 730; Eastern Meadowlark, 126; Redwinged Blackbird, 1067; Rusty Blackbird, 1; Common Grackle, 213; Brown-headed Cowbird, 12; Cardinal, 343; Purple Finch, 10; Am. Goldfinch, 113; Rufous-sided Towhee, 49; Savannah Sparrow, 10; Slate-colored Junco, 267; Tree Sparrow, 3; Field Sparrow, 38; White-crowned Sparrow, **12**; White-throated Sparrow, 642; Fox Sparrow, 5; Swamp Sparrow, 45; Song Sparrow, 265. **Total,** 81 species; about 64,634 individuals. (Seen in area count period, but not on count day: Common Merganser, Sharp-shinned Hawk, Am. Woodcock, Common Snipe, Brown Thrasher.)—Frederick Bowes, Daniel D. Gibson (compiler), Dr. and Mrs. Daniel Z. Gibson, William R. McAlpin, John C. Nelson (Kent County Chapter, Md. O. S. and guests).

175. **McCoole, Md.** (all points within a 15-mile diameter circle, center and habitat percentages same as in previous years).—Jan. 1; 8 a.m. to 8 p.m. Cloudy, light drizzle; temp. 32° to 45°; wind W, 5-10 m.p.h. Three observers in 1 party. Total party-hours, 11½ (10 on foot, 1½ by car); total party-miles, 21 (9 on foot, 12 by car). ► Ruffed Grouse, 1; Bobwhite, 23 (3 coveys); Yellow-shafted Flicker, 2; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 9; Blue Jay, 1; Common Crow, 22; Black-capped Chickadee, 10; Tufted Titmouse, 10; Carolina Wren, 5; Mockingbird, 2; Hermit Thrush, 1; Ruby-crowned Kinglet, 1; Starling, 500; Myrtle Warbler, 4; House Sparrow, 49; Cardinal, 24; **Purple Finch, 10**; Am. Goldfinch, 10; Slate-colored Junco, 43; Tree Sparrow, 48; White-crowned Sparrow, 6; White-throated Sparrow, 9; Song Sparrow, 3. **Total,** 25 species; about 798 individuals.—Anna H. Llewellyn, Leonard M. Llewellyn (compiler), Mary L. Llewellyn.

176. **Ocean City, Md.** (all points within a 15-mile diameter circle, center 0.8 mile SSE of center of Berlin; same area as in past 10 years; same habitat percentages as in 1949).—Dec. 30; 6 a.m. to 6 p.m. Clear after 9:30 a.m.; temp. 30° to 39°; wind NNE to NNW, 15-25 m.p.h.; 3-in. rain from NE storm previous day melted all snow and ice, flooded fields and swamps, made back roads impassable. Thirty observers in 9 parties. Total party-hours, 152 (106 on foot, 46 by car); total party-miles, 616 (109 on foot, 507 by car). ► Common Loon, 13; Red-throated Loon, 31; Horned Grebe, 242; Pied-billed Grebe, 16; Gannet, 1; Double-crested Cormorant, 11; Great Blue Heron, 30; Black-crowned Night Heron, 2; Canada Goose, 996 (lowest in 11 years); Brant, 13,050; Mallard, 440; Black Duck, 634; Pintail, 603; Green-winged Teal, 2 (lowest in 11 years); Am. Widgeon, **1075**; Wood Duck, 2; Redhead, 1; Canvasback, 5915; scaup (those identified, Lesser), 1072; Common Goldeneye, 303; Bufflehead, 245; Oldsquaw, 250; White-winged Scoter, 404; Surf Scoter, 2 (lowest in 11 years); Common Scoter, 200; Common Merganser, **10**; Red-breasted Merganser, 42 (lowest in 11 years); Turkey Vulture, **827**; Black Vulture, 15; Sharp-shinned Hawk, 5; Cooper's Hawk, 4; Red-tailed Hawk, 30; Red-shouldered Hawk, 13; Rough-legged Hawk, 1; Bald Eagle, 2; Marsh Hawk, 15; Sparrow Hawk, 40; Bobwhite, 20; King Rail, 1; Clapper Rail, 5; Piping Plover, 5; Semipalmated Plover, 1; Killdeer, 103; Black-bellied Plover, 138; Am. Woodcock, 2; **Willet, 1** (first Md. winter record —J. E. W., J. V. D.); Greater Yellowlegs, 2; Purple Sandpiper, 45; Least Sandpiper, 10; Dunlin, 1750; Semipalmated Sandpiper, 6; **Marbled Godwit, 1** (first Md. winter record—H. A., J. A. B., G. K.); Sanderling, **1192**; Great Black-backed Gull, **99** (remnants from unprecedented influx during yesterday's NE storm); Herring Gull, 1330; Ring-billed Gull, 560; Laughing Gull, 5; Bonaparte's Gull, 1; Black-legged Kittiwake, 1 (D. C., *et al.*); Mourning Dove, 351; Barn Owl, 2; Screech Owl, 4; Great Horned Owl, 1; Barred Owl, 1; Belted Kingfisher, 19; Yellow-shafted Flicker, 85; Pileated Woodpecker, 3; Red-bellied Woodpecker, 58; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 20; Downy Woodpecker, 70; Horned Lark (*alpestris* and *praticola*), 63; Tree Swallow, 3; Blue Jay, 52; Common Crow, 538; Fish Crow, 4; Carolina Chickadee, 227; Tufted Titmouse, 159; White-breasted Nuthatch, 8; Brown-headed Nuthatch, 54; Brown Creeper, 22; House Wren, 1; Winter Wren, 8 (lowest in 11 years); Carolina Wren, 145; Long-billed Marsh Wren, 3; Mockingbird, 57; Catbird, 14; Brown Thrasher, 12; Robin, 1008; Hermit Thrush, 17; Eastern Bluebird, **223**; Golden-crowned Kinglet, 73; Ruby-crowned Kinglet, 2; Water Pipit, 1; Cedar Waxwing, 4; Loggerhead Shrike, 8; Starling, **16,345**; Myrtle Warbler, 1783; House Sparrow, 1162; Eastern Meadowlark, 1495; Redwinged Blackbird, 33,200; Rusty Blackbird, 80; Common Grackle (*stonei* and *versicolor*), **180,140**; Brown-headed Cowbird, **25,200**; Cardinal, 399; Purple Finch, 2; Am. Goldfinch, 547; Rufous-sided Towhee, **320**; Ipswich Sparrow, 6; Savannah Sparrow, 354; Sharp-tailed Sparrow, 6; Vesper Sparrow, 2; Slate-colored Junco, 504; Tree Sparrow, 3; Chipping Sparrow, 15; Field Sparrow, 390; White-throated Sparrow, 2034; Fox Sparrow, 7; Swamp Sparrow, 228; Song Sparrow, 804; Lapland Longspur, 1; Snow Bunting, 86. **Total,** 122 species (2 additional races); about 300,257 individuals.—Joel Abrahmson, Harry Armistead, Joseph A. Beatty, Walter M. Booth, R. K. Burns, Mrs. Richard D. Cole, David Cutler, John V. Dennis, Margaret Donnald, Morrill Donnald, Ira N. Gabrielson, Duvall A. Jones, Hank Kaestner, Gordon Knight, James E. Knudson, John Miller, Bruce Nesbitt, Geoffrey Nesbitt, Geoffrey Pass, John W. Richards, Chandler S. Robbins (compiler), Paul Schwalbe, John Terborgh, John S. Webb, John Weske, Hal Weirenga, Harold Weirenga, Alden Willoughby, John E. Willoughby, Edward P. Wilson (Maryland Ornithological Society).

177. **Oldtown, Md.** (all points within a 15-mile diameter circle, center just west of Oldtown to include Warrior and Martin Mountains, Evitts Creek, C and O Canal, Potomac River; deciduous woods 50%, coniferous woods 5%, cultivated fields 15%, river and canal bottomland 25%, residential 5%).—Dec. 27; 8 a.m. to 4:30 p.m. Clear; temp. 5° to 22°; no wind; ice on canal, river and trees and shrubs near water. Three observers in 1 party. Total party-hours, 8½ (2 on foot, 6½ by car); total party-miles, 60 (5 on foot, 55 by car). ► Black Duck, 8; Red-tailed Hawk, 1; Bobwhite, 20; Killdeer, 1; Yellow-shafted Flicker, 1; Pileated Woodpecker, 4; Red-bellied Woodpecker, 1; Hairy Woodpecker, 8; Downy Woodpecker, 6; Blue Jay, 2; Common Crow, 91; Black-capped Chickadee, 33; Tufted Titmouse, 60; White-breasted Nuthatch, 4; Winter Wren, 8; Carolina Wren, 5; Mockingbird, 3; Brown Thrasher, 1; Golden-crowned Kinglet, 13; Ruby-crowned Kinglet, 1; Cedar Waxwing, 5; Starling, 250; Myrtle Warbler, 1; House Sparrow, 125; Cardinal, 45; Am. Goldfinch, 15; Slate-colored Junco, 470; Tree Sparrow, 178; Chipping Sparrow, 2; Field Sparrow, 21; White-throated Sparrow, 4; Song Sparrow, 16. **Total,** 32 species; about 1403 individuals.—Richard Douglass, Lois McCollough (compiler), Pan Minke.

178. Palmer's Community, Md. (all points within a 15-mile diameter circle, center Clements, including Mechanicsville, Hollywood, Redgate, Potomac River from Flood Creek to Wicomico River to Budd's Creek; pasture 20%, plowed land 15%, town suburbs 5%, deciduous woodland 20%, coniferous woodland 10%, rivers 20%, marshes 10%).—Jan. 1; 6:30 a.m. to 5 p.m. Overcast with showers; temp. 30° to 37°; no wind. Two observers in 2 parties. Total party-hours, 23 (8 on foot, 13 by car, 2 by motor boat); total party-miles, 235 (15 on foot, 210 by car, 10 by boat). ► Common Loon, 2; Horned Grebe, 76; Great Blue Heron, 16; Whistling Swan, 9; Mallard, 20; Black Duck, 14; Green-winged Teal, 1; Am. Widgeon, 512; Lesser Scaup, 3; Common Goldeneye, 21; Bufflehead, 11; Oldsquaw, 76; Surf Scoter, 3; Common Scoter, 6; Ruddy Duck, 15; Hooded Merganser, 3; Turkey Vulture, 2; Black Vulture, 3; Bald Eagle, 5; Marsh Hawk, 2; Sparrow Hawk, 2; Bobwhite, 17; Am. Coot, 67; Killdeer, 3; Great Black-backed Gull, 13; Herring Gull, 212; Ring-billed Gull, 161; Laughing Gull, 7; Mourning Dove, 7; Barred Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 3; Red-bellied Woodpecker, 3; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 4; Downy Woodpecker, 4; Blue Jay, 33; Common Crow, 61; Fish Crow, 3; Carolina Chickadee, 8; Tufted Titmouse, 6; Brown Creeper, 5; Winter Wren, 1; Carolina Wren, 6; Mockingbird, 31; **Catbird,** 1; Robin, 160; Hermit Thrush, 1; Eastern Bluebird, 17; Golden-crowned Kinglet, 32; Ruby-crowned Kinglet, 2; Loggerhead Shrike, 6; Starling, 72; Myrtle Warbler, 250; House Sparrow, 34; Eastern Meadowlark, 48; Redwinged Blackbird, 132; Cardinal, 82; Pine Siskin, 1; Rufous-sided Towhee, 5; Slate-colored Junco, 81; Chipping Sparrow, 3; Field Sparrow, 85; White-throated Sparrow, 111; Fox Sparrow, 2; Swamp Sparrow, 7; Song Sparrow, 89. **Total,** 67 species; about 2684 individuals. (Seen in area count period, but not on count day: **Snowy Owl.**)—James Banagan (compiler), John Brown.

179. Port Tobacco, Md. (all points within a 15-mile diameter circle, center Bel Alton; woodland 45%, cultivated land 20%, tidal waters 15%, marsh 3%, swamp 17%).—Dec. 26; 6:30 a.m. to 6 p.m.; temp. 30° to 45°; wind 5 m.p.h. Five observers in 3 parties. Total party-hours, 32 (24 on foot, 8 by car); total party-miles, 142 (24 on foot, 118 by car). ► Horned Grebe, 4; Great Blue Heron, 4; Whistling Swan, 256; Mallard, 32; Black Duck, 154; Gadwall, 610; Canvasback, 24; Lesser Scaup, 12; Common Goldeneye, 27; Bufflehead, 25; Ruddy Duck, 700; Common Merganser, 1; Turkey Vulture, 93; Black Vulture, 7; Sharp-shinned Hawk, 1; Red-tailed Hawk, 4; Red-shouldered Hawk, 2; Marsh Hawk, 3; Peregrine Falcon, 5; Sparrow Hawk, 5; Bobwhite, 45; Virginia Rail, 5; Am. Coot, 5; Killdeer, 6; Common Snipe, 18; Herring Gull, 36; Ring-billed Gull, 125; Mourning Dove, 130; Great Horned Owl, 1; Barred Owl, 2; Belted Kingfisher, 3; Yellow-shafted Flicker, 52; Pileated Woodpecker, 13; Red-bellied Woodpecker, 63; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 14; Hairy Woodpecker, 7; Downy Woodpecker, 44; Horned Lark, 13; Blue Jay, 45; Common Crow, 55; Carolina Chickadee, 46; Tufted Titmouse, 92; White-breasted Nuthatch, 5; Brown Creeper, 18; **House Wren,** 1 (C. S. R.); Winter Wren, 23; Carolina Wren, 28; Long-billed Marsh Wren, 3; Short-billed Marsh Wren, 2; Mockingbird, 25; Catbird, 4; Brown Thrasher, 30; Robin, 208; Hermit Thrush, 52; Eastern Bluebird, 17; Golden-crowned Kinglet, 20; Ruby-crowned Kinglet, 1; Cedar Waxwing, 14; Loggerhead Shrike, 1; Starling, 350; Myrtle Warbler, 327; House Sparrow, 122; Eastern Meadowlark, 343; Red-winged Blackbird, 17,180; Rusty Blackbird, 41; Common Grackle, 250; Brown-headed Cowbird, 38; Cardinal, 143; Purple Finch, 26; Am. Goldfinch, 96; Rufous-sided Towhee, 125; Savannah Sparrow, 94; Slate-colored Junco, 230; Tree Sparrow, 11; Field Sparrow, 68; White-crowned Sparrow, 3; White-throated Sparrow, 702; Fox Sparrow, 8; Swamp Sparrow, 155; Song Sparrow, 194. **Total,** 81 species; about 23,750 individuals.—James S. Lindzey, Chandler S. Robbins, Allen R. Stickley, Jr. (compiler), John Terborgh, John Weske.

180. St. Michaels, Md. (all points within a 15-mile diameter circle, center in Grace's Cove, Bozman; approximately same area as in past 5 years; same habitat percentages).—Dec. 21; 1:30 a.m. to 12 p.m. Clear; temp. 15° to 35°; wind NW, 5-25 m.p.h.; ground bare, inlets and coves frozen, bay open. Twenty-one observers in 9 parties. Total party-hours, 114 (78 on foot, 31 by car, 3 by boat, 2 by bicycle); total party-miles, 601 (93 on foot, 492 by car, 10 by boat, 6 by bicycle). ► Common Loon, 7; Horned Grebe, 112; Pied-billed Grebe, 8; Great Blue Heron, 22; Whistling Swan, **6312**; Canada Goose, **28,826**; Brant, 29; **Snow Goose,** 1; Mallard, 657; Black Duck, 2428; Pintail, 393; Am. Widgeon, 1410; Redhead, 139; Canvasback, 3478; Lesser Scaup, 995; Common Goldeneye, 1288; Bufflehead, 90; Oldsquaw, **6106**; White-winged Scoter, 97; Surf Scoter, 10; Common Scoter, 2; Ruddy Duck, 206; Hooded Merganser, 2; Red-breasted Merganser, 11; Turkey Vulture, 155; Black Vulture, **18**; Sharp-shinned Hawk, 1; Cooper's Hawk, 4; Red-tailed Hawk, 14; Red-shouldered Hawk, 4; Bald Eagle, 1; Marsh Hawk, 12; Sparrow Hawk, 18; Bobwhite, 124; Am. Coot, 258; Killdeer, 10; Am. Woodcock, 1; Great Black-backed Gull, **35**; Herring Gull, 1104; Ring-billed Gull, 627; Bonaparte's Gull, 5; Mourning Dove, 274; Barn Owl, 1; Screech Owl, 2; Great Horned Owl, 8; Belted Kingfisher, 7; Yellow-shafted Flicker, 21; **Pileated Woodpecker,** 1; Red-bellied Woodpecker, 31; Yellow-bellied Sapsucker, 11; Hairy Woodpecker, 23; Downy Woodpecker, 41; Horned Lark, 8; Blue Jay, 146; Common Crow, 3372; Fish Crow, 60; Carolina Chickadee, 134; Tufted Titmouse, 66; White-breasted Nuthatch, 1; Brown-headed Nuthatch, **237**; Brown Creeper, 8; Winter Wren, 7; Carolina Wren, **14**; Mockingbird, 120; Catbird, 1; Brown Thrasher, 1; Robin, 77; Hermit Thrush, 3; Eastern Bluebird, 126; Golden-crowned Kinglet, 82; Ruby-crowned Kinglet, 1; Cedar Waxwing, 35; Loggerhead Shrike, 3; Starling, 3541; Myrtle Warbler,

558; Pine Warbler, 1; House Sparrow, 558; Eastern Meadowlark, 795; Redwinged Blackbird, 4506; Baltimore Oriole, 1; Rusty Blackbird, 1; Common Grackle, 12; Brown-headed Cowbird, 682; Cardinal, 331; Am. Goldfinch, 177; Rufous-sided Towhee, 11; Savannah Sparrow, 53; Vesper Sparrow, 1; Slate-colored Junco, 1181; Chipping Sparrow, **13**; Field Sparrow, 122; White-throated Sparrow, 1726; Swamp Sparrow, 25; Song Sparrow, 384. **Total,** 94 species; about 74,621 individuals.—Edith Adkins, J. T. Ambler, Harry Armistead, Kay Barner, Richard Dubois, Jerry Fletcher, Danny Gibson, Hughlet Henry, Jr., Virginia Henry, Richard L. Kleen (compiler), Terry Moore.

181. Southern Dorchester County, Md. (all points within a 15-mile diameter circle, center 5¼ miles NE of Wingate Post Office; Blackwater National Wildlife Refuge to Elliott Island; same area and habitats as in past 11 years).—Dec. 31; 6 a.m. to 7:30 p.m. Clear; temp. 28° to 38°; wind NW, 15-25 m.p.h.; ground bare, water open. Twenty-two observers in 7 parties. Total party-hours, 106 (83 on foot, 20 by car, 3 by boat); total party-miles, 318 (72 on foot, 229 by car, 17 by boat). ► Horned Grebe, 140; Pied-billed Grebe, 2; **Gannet, 1** (evidently waif from coastal storm—W. M. B.); Great Blue Heron, 32; Black-crowned Night Heron, 10; Am. Bittern, 3; Whistling Swan, 25; Canada Goose, 9175; Snow Goose, 6; Blue Goose, 1; Mallard, **7050**; Black Duck, 2235; Gadwall, 114; Pintail, 825; Green-winged Teal, 5; Am. Widgeon, 75; Shoveler, 2; Redhead, 14; Ring-necked Duck, **3500** (one flock); Canvasback, 3680 (low count because no airplane available this year); scaup (sp.), 82; Common Goldeneye, 25; Bufflehead, 6; Oldsquaw, 10; Ruddy Duck, 11; Hooded Merganser, 1; Common Merganser, 166; Red-breasted Merganser, **60**; Turkey Vulture, **412**; Black Vulture, **6**; Sharp-shinned Hawk, 3; Cooper's Hawk, 2; Red-tailed Hawk, 13; Red-shouldered Hawk, 5; Rough-legged Hawk, 2; Bald Eagle, 20; Marsh Hawk, **58**; Sparrow Hawk, 12; Bobwhite, 34; **Turkey, 1** (introduced; now apparently well established); Clapper Rail, 1; Virginia Rail, 16; Killdeer, 3 (lowest count in 12 years); Am. Woodcock, 1; Common Snipe, 1; Greater Yellowlegs, 3; Great Black-backed Gull, **19**; Herring Gull, 253; Ring-billed Gull, 486; Laughing Gull, 1; Mourning Dove, 233 (174 in one flock); Barn Owl, 1; Screech Owl, 1; Great Horned Owl, 16; Barred Owl, 4; Short-eared Owl, 1; Belted Kingfisher, 17; Yellow-shafted Flicker, 61; Pileated Woodpecker, 7; Red-bellied Woodpecker, 15; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 20; Downy Woodpecker, **71**; **Red-cockaded Woodpecker, 1** (R. K. B.); Horned Lark, 7; Tree Swallow, 5; Blue Jay, 17; Common Crow, 2975; Fish Crow, 5; Carolina Chickadee, 164; Tufted Titmouse, 55; Brown-headed Nuthatch, **335**; Brown Creeper, **36**; House Wren, 3; Winter Wren, 7; Carolina Wren, 50; Long-billed Marsh Wren, 3; Mockingbird, 34; Catbird, 6; Brown Thrasher, 16; Robin, 94; Hermit Thrush, 6; Eastern Bluebird, 133; Golden-crowned Kinglet, 60; Ruby-crowned Kinglet, 9; Water Pipit, 14; Loggerhead Shrike, 2; Starling, **1420**; Myrtle Warbler, **3120**; Pine Warbler, 2; Palm Warbler, 1; Yellowthroat, 1; House Sparrow, 273; Eastern Meadowlark, 493; Redwinged Blackbird, 10,760; Rusty Blackbird, 12; Common Grackle (*stonei* and *versicolor*), **150,000**; Brown-headed Cowbird, 42; Cardinal, **237**; Evening Grosbeak, 1; Purple Finch, 2; Am. Goldfinch, 218; Rufous-sided Towhee, **127**; Savannah Sparrow, 63; Slate-colored Junco, 271; Tree Sparrow, 2; Chipping Sparrow, **10**; Field Sparrow, 164; White-throated Sparrow, 757; Fox Sparrow, 20; Swamp Sparrow, **469**; Song Sparrow, 486. **Total,** 112 species (1 additional race); about 202,043 individuals. (Yellow-breasted Chat found dead during count.)—Harry Armistead, Joseph A. Beatty, Walter M. Booth, R. K. Burns, Mrs. Richard D. Cole, John V. Dennis, S. H. Dyke, Duvall A. Jones, Hank Kaestner, Gordon A. Knight, James E. Knudson, G. Pass, John W. Richards, Chandler S. Robbins (compiler), H. Edmund Stiles, Ted Stiles, John Terborgh, John Weske, Alden Willoughby, John E. Willoughby, Capt. and Mrs. J. E. M. Wood (Maryland Ornithological Society).

182. Triadelphia Reservoir, Md. (all points within a 15-mile diameter circle, center 3 miles ESE of Brighton Dam as in previous 10 years; reservoirs 15%, woodland 40%, fields and pastures 30%, residential 15%).—Dec. 28; 5 a.m. to 5:30 p.m. Overcast; temp. 30° to 44°; wind NE, 5-10 m.p.h.; no prior snowfall, reservoirs full and mostly frozen over. Twenty-three observers in 7 parties. Total party-hours, 87 (65 on foot, 22 by car); total party-miles, 359 (68 on foot, 291 by car). ► Horned Grebe, 5; Pied-billed Grebe, 2; Great Blue Heron, 1; Mallard, 750; Black Duck, 1250; Gadwall, 1; Pintail, 2; Green-winged Teal, 3; Am. Widgeon, 75; Redhead, 1; Bufflehead, 4; Hooded Merganser, 5; Common Merganser, 33; Turkey Vulture, 293; Black Vulture, **24**; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 8; Red-shouldered Hawk, **14**; Marsh Hawk, 5; Sparrow Hawk, 21; Bobwhite, 28; Ring-necked Pheasant, 1; Am. Coot, 9; Killdeer, 2; Common Snipe, 1; Herring Gull, 2; Mourning Dove, 228; Screech Owl, 3; Great Horned Owl, 2; Belted Kingfisher, 2; Yellow-shafted Flicker, **58**; Red-bellied Woodpecker, 70; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 16; Downy Woodpecker, **124**; Horned Lark, 27; Blue Jay, 157; Common Crow, 1416; Carolina Chickadee, 190; Tufted Titmouse, 118; White-breasted Nuthatch, 32; Brown Creeper, 22; Winter Wren, 5; Carolina Wren, 45; Mockingbird, 112; **Brown Thrasher, 1** (at feeding station); Eastern Bluebird, 32; Golden-crowned Kinglet, 72; Ruby-crowned Kinglet, 1; Cedar Waxwing, 2; Loggerhead Shrike, 2; Starling, 3423; Myrtle Warbler, **39**; House Sparrow, 639; Eastern Meadowlark, **332**; Redwinged Blackbird, **195**; Baltimore Oriole, 1 (R. F., D. B., T. S., C. R.); Rusty Blackbird, **9**; Common Grackle, 10; Brown-headed Cowbird, 21; Cardinal, 352; **Dickcissel, 1** (at feeding station—A. D. G.); Purple Finch, 32; Am. Goldfinch, 421; Rufous-sided Towhee, 5; Slate-colored Junco, 1692; Tree Sparrow, 123; Field Sparrow, 258; White-crowned Sparrow,

6; White-throated Sparrow, **1111**; Fox Sparrow, 5; Swamp Sparrow, 11; Song Sparrow, **402**. **Total,** 74 species; about 14,370 individuals. (Seen in area count period, but not on count day: Canvasback, scaup, Pine Siskin).—David Bridge, Gladys Cole, David H. Fales, John H. Fales, Ronald R. Feller, Aelred D. Geis, Irving E. Hampe, Michael M. Johnson, Hank Kaestner, Seth H. Low (compiler), Seth T. Low, Mrs. G. C. Munro, John W. Richards, Mr. and Mrs. Chandler S. Robbins, Stuart B. Robbins, Ted W. Stiles, John Weske, John E. Willoughby, E. P. Wilson, Capt. and Mrs. J. E. M. Wood, Sarah Wood.

183. Washington, D. C. (all points within a 15-mile diameter circle, center on Navy Annex Building since 1943).—Dec. 27; 4:30 a.m. to 5 p.m. Clear; temp. 12° to 45°; wind NW, 0-8 m.p.h.; ground bare, rivers and reservoirs frozen except in strong currents. Fifty-one observers in 21 parties, plus 3 at feeding stations. Total party-hours, 172 (149 on foot, 23 by car); total party-miles, 262 (104 on foot, 158 by car). ► Horned Grebe, 2; Pied-billed Grebe, 1; Great Blue Heron, 16; Black-crowned Night Heron, 1; Canada Goose, 2; Mallard, 173; Black Duck, 642; Gadwall, 2; Pintail, 803; Green-winged Teal, 310; Am. Widgeon, 182; Shoveler, 4; Redhead, 4; Ring-necked Duck, 1; Canvasback, 20; Lesser Scaup, 427; Common Goldeneye, 6; Bufflehead, 198; Ruddy Duck, 1577; Common Merganser, 60; Red-breasted Merganser, 21; Turkey Vulture, 111; Black Vulture, 3; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 16; Red-shouldered Hawk, 15; Bald Eagle, 2; Marsh Hawk, 1; Sparrow Hawk, 13; Bobwhite, 8; **Turkey, 1** (P. A. D., R. T., M. T., D. P.); Am. Coot, 2; Killdeer, 68; Common Snipe, 10; Herring Gull, 895; Ring-billed Gull, 2363; Mourning Dove, 328; Barn Owl, 2; Great Horned Owl, 1; Barred Owl, 6; Short-eared Owl, 1; Belted Kingfisher, 12; Yellow-shafted Flicker, 84; Pileated Woodpecker, 11; Red-bellied Woodpecker, 89; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 8; Hairy Woodpecker, 18; Downy Woodpecker, 168; Horned Lark, 4; Blue Jay, 399; Common Crow, 856; Fish Crow, 28; Carolina Chickadee, 561; Tufted Titmouse, 413; White-breasted Nuthatch, 139; Brown Creeper, 40; Winter Wren, 20; Carolina Wren, 138; Long-billed Marsh Wren, 7; Mockingbird, 320; Catbird, 1; Robin, 9; Eastern Bluebird, 46; Golden-crowned Kinglet, 57; Ruby-crowned Kinglet, 7; Water Pipit, 1; Cedar Waxwing, 8; Starling, 36,382; Myrtle Warbler, 166; House Sparrow, 523; Eastern Meadowlark, 50; Redwinged Blackbird, 1533; Rusty Blackbird, 30; Common Grackle, 3; Brown-headed Cowbird, 500; Cardinal, 650; Purple Finch, 59; Pine Siskin, 4; Am. Goldfinch, 230; Rufous-sided Towhee, 31; Savannah Sparrow, 1; Slate-colored Junco, 2099; Tree Sparrow, 97; Field Sparrow, 339; White-crowned Sparrow, 2; White-throated Sparrow, 1308; Fox Sparrow, 8; **Lincoln's Sparrow, 1** (carefully identified in area where species was seen earlier in month—C. R. H., Jr., W. D. G.); Swamp Sparrow, 143; Song Sparrow, 911. **Total,** 92 species; about 56,816 individuals. —J. M. Abbott, L. T. Berry, J. Boyd, S. A. Briggs, Mr. and Mrs. R. L. Caswell, J. H. Criswell, W. Del Grande, P. A. Dumont, J. Eike, A. Fast, W. L. Garges, M. Gilbert, G. Golding, C. R. Hough, C. R. Hough, Jr., R. B. Houghton, Dr. and Mrs. D. F. Keeney, M. E. Kerr, F. Knebel, C. N. Mason, K. W. Mason, G. M. Meade, J. Meade, J. Middleton, M. L. Morgan, N. Musser, J. P. Nevin, M. Newlon, P. Ourusoff, Mrs. F. Over, D. Pierce, L. Pyle, R. Pyle, P. Pyle, Mrs. W. A. Rothery, N. Shelton, G. M. Sigel, R. M. Sigel, H. A. Sutton (compiler), R. P. Teele, M. Teele, A. Telshow, H. Tucker, L. Vacher, B. B. Warfield, R. J. Watson, E. Williams, J. Willoughby, J. K. Wright (Audubon Society of the District of Columbia).

184. Back Bay National Wildlife Refuge, Va. (all points within a 15-mile diameter circle; same area as in previous years, including refuge and much mainland of Princess Anne County; open farmland 20%, pine woodland 10%, deciduous woodland 20%, open beach 5%, marshes and bay 45%).—Dec. 27; 5 a.m. to 5:30 p.m. Clear; temp. 21° to 50°; wind W to NE, 3-6 m.p.h.; ground bare, fresh water frozen until noon. Seventeen observers in 5 parties. Total party-hours, 51½ (28 on foot, 22 by car, 1½ by plane); total party-miles, 415 (23 on foot, 287 by car, 105 by plane). ► Common Loon, 2; Red-throated Loon, 5; Horned Grebe, 2000; Gannet, 2; Double-crested Cormorant, 20; Great Blue Heron, 9; **Little Blue Heron, 1**; Common Egret, 4; Black-crowned Night Heron, 2; **Yellow-crowned Night Heron, 1**; Am. Bittern, 9; Whistling Swan, 2200; Canada Goose, 20,000 (**1 Hutchinsii**); Snow Goose, 12,000; Blue Goose, 2; Mallard, 1118; Black Duck, 2500; Gadwall, 4; Pintail, 792; Green-winged Teal, 42; Am. Widgeon, 4700; Wood Duck, 1; Ring-necked Duck, 20; Canvasback, 5; Greater Scaup, 122; Lesser Scaup, 3; Bufflehead, 3; Oldsquaw, 3; White-winged Scoter, 37; Surf Scoter, 15; Common Scoter, 3; Hooded Merganser, 2; Common Merganser, 3; Red-breasted Merganser, 8; Turkey Vulture, 17; Black Vulture, 7; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 5; Red-shouldered Hawk, 15; Bald Eagle, 6; Marsh Hawk, 21; Pigeon Hawk, 1; Sparrow Hawk, 71; Bobwhite, 43; King Rail, 13; Clapper Rail, 3; Virginia Rail, 1; Am. Coot, 553; Killdeer, 17; Common Snipe, 52; Greater Yellowlegs, 2; Sanderling, 32; Great Black-backed Gull, 13; Herring Gull, 517; Ring-billed Gull, 318; Mourning Dove, 146; Screech Owl, 2; Great Horned Owl, 3; Barred Owl, 10; Belted Kingfisher, 11; Yellow-shafted Flicker, 140; Pileated Woodpecker, 7; Red-bellied Woodpecker, 47; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 12; Downy Woodpecker, 56; **Eastern Kingbird, 1** (carefully identified—L. B., G. G.); Eastern Phoebe, 5; Horned Lark, 2; Tree Swallow, 11; Blue Jay, 86; Common Crow, 566; Fish Crow, 130; Carolina Chickadee, 120; Tufted Titmouse, 53; White-breasted Nuthatch, 4; Brown-headed Nuthatch, 69; Brown Creeper, 8; House Wren, 1; Winter Wren, 10; Carolina Wren, 95; Long-billed Marsh Wren, 9; Short-billed Marsh Wren, 6; Mockingbird, 95; Catbird, 59;

Brown Thrasher, 13; Robin, 306; Hermit Thrush, 30; Eastern Bluebird, 86; Golden-crowned Kinglet, 15; Ruby-crowned Kinglet, 4; Water Pipit, 90; Loggerhead Shrike, 1; Starling, 3384; Orange-crowned Warbler, 1; Myrtle Warbler, 2941; Pine Warbler, 5; Yellowthroat, 3; House Sparrow, 170; Eastern Meadowlark, 416; Redwinged Blackbird, 9941; Boat-tailed Grackle, 1; Common Grackle, 3237; Brown-headed Cowbird, 4060; Cardinal, 168; Purple Finch, 27; Pine Siskin, 5; Am. Goldfinch, 87; Rufous-sided Towhee, 106; Savannah Sparrow, 608; Sharp-tailed Sparrow, 4; Slate-colored Junco, 294; Chipping Sparrow, 18; Field Sparrow, 175; White-throated Sparrow, 1049; Fox Sparrow, 65; **Lincoln's Sparrow, 2** (close range—R. P., D. G.); Swamp Sparrow, 899; Song Sparrow, 765; **Snow Bunting, 2** (R. P., D. G.). **Total,** 122 species (1 additional race); about 78,094 individuals.—Mr. and Mrs. S. E. Breneiser, Mrs. L. E. Burford, Mrs. Leamon Forrest, Steve Fretwell, D. S. Gordon, Gisela Grimm, H. A. Hespenheide, D. W. Lamm, Mrs. M. F. Morrisette, R. H. Peake, Jr., F. C. Richardson, E. E. Robb, W. F. Rountrey, P. W. Sykes, Jr. (compiler), E. G. Webster, Jr., C. S. Yelverton.

185. Big Flat Mountain, Va. (all points within a 15-mile diameter circle, center on Pasture Fence Mountain as last year; mostly in southern Shenandoah National Park).—Dec. 23; 6:45 a.m. to 5:15 p.m. Cloudy; temp. 32° to 55°; wind SW, 10-20 m.p.h. One observer. Total hours, 10½ (on foot); total miles, 17 (on foot). ► Turkey Vulture, 7; Red-tailed Hawk, 2; **Rough-legged Hawk, 2**; **Peregrine Falcon, 1**; Ruffed Grouse, 7; Turkey, 12; Yellow-shafted Flicker, 1; Pileated Woodpecker, 5; Red-bellied Woodpecker, 1; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 1; Downy Woodpecker, 2; Blue Jay, 1; Common Raven, 2; Common Crow, 54; Carolina Chickadee, 40; Tufted Titmouse, 16; Brown Creeper, 4; Winter Wren, 1; Carolina Wren, 6; Mockingbird, 3; Robin, 12; Eastern Bluebird, 1; Golden-crowned Kinglet, 18; Ruby-crowned Kinglet, 2; Cedar Waxwing, 29; Cardinal, 21; Purple Finch, 3; Am. Goldfinch, 2; Slate-colored Junco, 21; Field Sparrow, 2; White-throated Sparrow, 61; Fox Sparrow, 2; Song Sparrow, 9. **Total,** 34 species; about 355 individuals. —Charles E. Stevens.

186. Blacksburg, Va. (all points within a 15-mile diameter circle, center at Prices Fork as last year; pasture and plowed land 20%, town and suburbs 10%, virgin White Oak woodlots 20%, mixed pine and oak woods 20%, river and creek bottom 30%).—Dec. 23; 7 a.m. to 5:15 p.m. Cloudy, ending in rain; temp. 25° to 45°; wind NW, 0-20 m.p.h.; ground bare, ponds frozen, streams open. Nine observers in 6 parties. Total party-hours, 48 (45 on foot, 3 by car); total party-miles, 100 (44 on foot, 56 by car). ► Pied-billed Grebe, 2; Mallard, 59; Black Duck, 20; Gadwall, 4; Green-winged Teal, 1; Am. Widgeon, 5; Redhead, 13; Ring-necked Duck, 7; Lesser Scaup, 209; Common Goldeneye, 40; Bufflehead, 116; Hooded Merganser, 3; Turkey Vulture, 31; Black Vulture, **44**; Cooper's Hawk, 2; Red-tailed Hawk, 5; Red-shouldered Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 11; Ruffed Grouse, 3; Bobwhite, 25; Am. Coot, 3; Killdeer, 13; Common Snipe, 7; Mourning Dove, 161; Screech Owl, 2; Great Horned Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 5; Pileated Woodpecker, 14; Red-bellied Woodpecker, 15; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 41; Horned Lark, 143; Blue Jay, 84; Common Raven, 2; Common Crow, 826; Carolina Chickadee, 119; Tufted Titmouse, 119; White-breasted Nuthatch, 29; Brown Creeper, 11; Winter Wren, 2; Carolina Wren, 26; Mockingbird, 18; **Catbird, 1**; Robin, 1; Eastern Bluebird, 10; Golden-crowned Kinglet, 45; Ruby-crowned Kinglet, 1; Cedar Waxwing, 20; Loggerhead Shrike, 3; Starling, 1476; Myrtle Warbler, 3; House Sparrow, 69; Eastern Meadowlark, **208**; Redwinged Blackbird, **92**; Brown-headed Cowbird, 4; Cardinal, 154; Purple Finch, 1; Pine Siskin, 10; Am. Goldfinch, 161; Rufous-sided Towhee, 2; Slate-colored Junco, 166; Field Sparrow, 45; White-crowned Sparrow, 38; White-throated Sparrow, 19; Song Sparrow, 38. **Total,** 69 species; about 4818 individuals. (Seen in area count period, but not on count day: Pintail, Shoveler.)—M. N. Cassell, J. D. Cooper, M. G. Hale, C. O. Handley, C. O. Handley, Jr., J. M. Handley, B. S. McGinnes, J. W. Murray (compiler), G. M. Shear.

187. Brooke, Va. (all points within a 15-mile diameter circle; triangular area covered with Brooke, Widewater, mouth of Potomac Creek at the 3 apices; tidal water 15%, marsh 7%, swamp 4%, fields 8%, hedgerows 6%, mixed forest edge 23%, deciduous woods 30%, pine woods 5%, slash 2%).—Dec. 21; 6:30 a.m. to 4:45 p.m. Partly cloudy a.m., clear p.m.; temp. 14° to 31°; wind N, up to 15 m.p.h.; ground bare, tidal bays and river margins frozen, Potomac River with floes of fresh ice, breaking up in p.m. Twelve observers in 7 parties. Total party-hours, 52; total party-miles, 27 (all on foot). ► Common Loon, 1; Horned Grebe, 2; Great Blue Heron, 40; Whistling Swan, 14; Canada Goose, 20; Mallard, 70; Black Duck, 300; Am. Widgeon, 1; Canvasback, 95; Lesser Scaup, 24; Common Goldeneye, 9; Bufflehead, 65; Ruddy Duck, 800; Hooded Merganser, 5; Common Merganser, 2000; Red-breasted Merganser, 140; Turkey Vulture, 10; Cooper's Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 3; Bald Eagle, 12; Sparrow Hawk, 3; Bobwhite, 27; Killdeer, 16; Common Snipe, 2; **Great Black-backed Gull, 11**; Herring Gull, 2000; Ring-billed Gull, 300; Mourning Dove, 40; Belted Kingfisher, 3; Yellow-shafted Flicker, 30; Pileated Woodpecker, 9; Red-bellied Woodpecker, 45; Red-headed Woodpecker, 7; Yellow-bellied Sapsucker, 22; Hairy Woodpecker, 3; Downy Woodpecker, 45; Horned Lark, 5; Blue Jay, 100; Common Crow, 320; Fish Crow, 20; **Black-capped Chickadee, 1** (A. B.); Carolina Chickadee, 130; Tufted Titmouse, 80; Red-breasted Nuthatch, 1; Brown Creeper, 14; Winter Wren, 5; Carolina Wren, 20; Mockingbird, 42; **Catbird, 2**; Brown Thrasher, 1; Robin, 85; Hermit Thrush, 4; Eastern Bluebird, 6; Golden-crowned

Kinglet, 30; Ruby-crowned Kinglet, 14; Cedar Waxwing, 300; Starling, 300; Myrtle Warbler, 125; House Sparrow, 35; Eastern Meadowlark, 40; Redwinged Blackbird, 420; Rusty Blackbird, 13; Cardinal, 150; Purple Finch, 16; Am. Goldfinch, 130; Rufous-sided Towhee, 36; Savannah Sparrow, 5; Slate-colored Junco, 320; Tree Sparrow, 6; Field Sparrow, 100; White-throated Sparrow, 600; Fox Sparrow, 4; Swamp Sparrow, 20; Song Sparrow, 260. **Total,** 75 species; about 9937 individuals.—C. A. Anderson, Roy A. Bailey, A. A. Baker, Henry Bell, III, John H. Eric, Andrew Griscom, Warren Hobbs, Luna B. Leopold, Edwin T. McKnight (compiler), Thomas B. Nolan, W. W. Rubey, Robert L. Smith.

188. Charlottesville, Va. (all points within a 15-mile diameter circle, center about 2 miles east of Ivy; about same area and habitat percentages as last year).—Dec. 28; 7 a.m. to 5 p.m. Cloudy a.m., rain p.m.; temp. 32° to 38°; wind NE, 0-5 m.p.h. Three observers in 3 parties. Total party-hours, 21 (18 on foot, 3 by car); total party-miles, 92 (26 on foot, 66 by car). ► Canada Goose, 38 (most or all feral); **White-fronted Goose, 1** (still present Jan. 3; first county record—K. L.); Mallard, 10; Black Duck, 2; Redhead, 2; Turkey Vulture, 4; Black Vulture, 1; Cooper's Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Sparrow Hawk, 1; Bobwhite, 1; Killdeer, 2; Mourning Dove, 404; Belted Kingfisher, 2; Yellow-shafted Flicker, 9; Pileated Woodpecker, 6; Red-bellied Woodpecker, 16; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 28; Blue Jay, 70; Common Crow, 591; Fish Crow, 2; Carolina Chickadee, 147; Tufted Titmouse, 98; White-breasted Nuthatch, 14; Brown Creeper, 10; **House Wren, 1** (R. S. M.); Winter Wren, 8; Carolina Wren, 45; Mockingbird, 46; Hermit Thrush, 3; Eastern Bluebird, 12; Golden-crowned Kinglet, 73; Ruby-crowned Kinglet, 4; Cedar Waxwing, 1; Loggerhead Shrike, 4; Starling, 920; Myrtle Warbler, 8; House Sparrow, 33; Eastern Meadowlark, 168; Redwinged Blackbird, 104; Rusty Blackbird, 1; Cardinal, 175; Purple Finch, 20; Pine Siskin, 5; Am. Goldfinch, 29; Rufous-sided Towhee, 10; Slate-colored Junco, 489; Tree Sparrow, 12; Field Sparrow, 191; White-crowned Sparrow, 3; White-throated Sparrow, 313; Swamp Sparrow, 38; Song Sparrow, 272. **Total,** 57 species; about 4458 individuals.—Kenneth Lawless, Robert S. Merkel, Charles E. Stevens (compiler).

189. Chincoteague National Wildlife Refuge, Va. (all points within a 15-mile diameter circle, center same as last 4 years; open farmland 5%, pine and mixed woodlands 28%, low pine and myrtle 16%, fresh-water marshes and impoundments 15%, salt marshes 18%, sheltered bays 7%, dunes 3%, mud and sand flats 4%, ocean beach 4%).—Dec. 30; 6:30 a.m. to 5 p.m. Clear; temp. 42° to 52°; wind NNW to WSW, 3-20 m.p.h.; ground bare, water open. Thirteen observers in 5-7 parties. Total party-hours, 57 (50 on foot, 4 by car, 3 by motorboat); total party-miles, 135 (39 on foot, 85 by car, 11 by boat). ► Common Loon, 47; Red-throated Loon, 24; Horned Grebe, 310; Pied-billed Grebe, 13; Gannet, 1; Great Blue Heron, 35; Black-crowned Night Heron, 2; **Mute Swan, 2** (carefully identified); Whistling Swan, 16; Canada Goose, 97; Brant, 7500; Snow Goose, 196; Mallard, 800; Black Duck, 4400; Gadwall, 196; Pintail, 171; Green-winged Teal, 4; Am. Widgeon, 2300; Shoveler, 44; Canvasback, 100; scaup (sp.), 5150; Common Goldeneye, 48; Bufflehead, 136; Oldsquaw, 3; White-winged Scoter, 726; Surf Scoter, 18; Common Scoter, 931; scoter (sp.), 3100; Hooded Merganser, 52; Red-breasted Merganser, 8; Turkey Vulture, 53; Sharp-shinned Hawk, 4; Red-tailed Hawk, 7; Red-shouldered Hawk, 1; Rough-legged Hawk, 3; Marsh Hawk, 25; Sparrow Hawk, 10; Bobwhite, 4; Clapper Rail, 18; Virginia Rail, 2; Am. Coot, 6; Killdeer, 10; Black-bellied Plover, 207; Ruddy Turnstone, 9; Am. Woodcock, 2; Greater Yellowlegs, 1; Lesser Yellowlegs, 1; Dunlin, 352; Semipalmated Sandpiper, 28; Sanderling, 780; Great Black-backed Gull, 68; Herring Gull, 1705; Ring-billed Gull, 526; Bonaparte's Gull, 1; Mourning Dove, 85; Belted Kingfisher, 10; Yellow-shafted Flicker, 52; Downy Woodpecker, 4; Horned Lark, 11; Tree Swallow, 32; Blue Jay, 2; Common Crow, 2800; Fish Crow, **1100** (roost); Carolina Chickadee, 27; Tufted Titmouse, 4; Red-breasted Nuthatch, 1; Brown Creeper, 2; House Wren, 1; Carolina Wren, 37; Long-billed Marsh Wren, 1; Short-billed Marsh Wren, 4; Mockingbird, 7; Catbird, 8; Brown Thrasher, 4; Robin, 12; Hermit Thrush, 4; Eastern Bluebird, 4; Golden-crowned Kinglet, 21; Ruby-crowned Kinglet, 2; Water Pipit, 3; Starling, 906; Myrtle Warbler, 1977; House Sparrow, 123; Eastern Meadowlark, 121; Redwinged Blackbird, 610; Boat-tailed Grackle, 471; Common Grackle, 14; Brown-headed Cowbird, 74; Cardinal, 96; Pine Siskin, 2; Am. Goldfinch, 34; Rufous-sided Towhee, 21; Ipswich Sparrow, 3; Savannah Sparrow, 100; Sharp-tailed Sparrow, 121; Seaside Sparrow, 23; Vesper Sparrow, 4; Slate-colored Junco, 85; Chipping Sparrow, 4; Field Sparrow, 30; White-throated Sparrow, 424; Fox Sparrow, 23; Swamp Sparrow, 57; Song Sparrow, 328; Snow Bunting, 6. **Total,** 104 species; about 40,148 individuals.—J. M. Abbott, L. F. Conklin, P. A. DuMont, C. R. Hough, Sr., C. R. Hough, Jr., T. W. Martin, R. F. McCoy, G. M. Meade, J. B. Meade, M. C. Newlon, R. L. Pyle, F. R. Scott (compiler), J. K. Wright.

190. Fort Belvoir, Va. (all points within a 15-mile diameter circle, center in Lebanon; same area as last year except exclusion of Indian Head, Md.; tidal water 30%, deciduous woods 25%, pine woods 10%, pasture 10%, open fields 10%, town suburbs 10%, cattail marsh 5%).—Dec. 20; 6:30 a.m. to 4:30 p.m. Partly overcast; temp. 42° to 32°; wind NW, 0-10 m.p.h.; ground bare, bays and streams partly frozen. Twenty-eight observers in 8 parties. Total party-hours, 65 (48 on foot, 17 by car); total party-miles, 248 (59 on foot, 189 by car). ► Pied-billed Grebe, 1; Great Blue Heron, 10; Canada Goose, 248; Mallard, 37; Black Duck, 81; **Wood Duck, 1** (J. A., C. D.); Canvasback, 1; scaup (sp.), 121; Bufflehead, 20; **White-winged Scoter, 1** (R.

W., N. S.); Ruddy Duck, 903; Common Merganser, 16; Turkey Vulture, 13; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 17; Red-shouldered Hawk, 7; Bald Eagle, 11; Marsh Hawk, 2; Sparrow Hawk, 8; Bobwhite, 82; Killdeer, 14; Common Snipe, 3; Herring Gull, 268; Ring-billed Gull, 564; Laughing Gull, 1; Mourning Dove, 123; Great Horned Owl, 3; Barred Owl, 1; Belted Kingfisher, 9; Yellow-shafted Flicker, 47; Pileated Woodpecker, 3; Red-bellied Woodpecker, 44; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 10; Hairy Woodpecker, 7; Downy Woodpecker, 67; Eastern Phoebe, 1; Horned Lark, 2; Blue Jay, 113; Common Crow, 325; Fish Crow, 1; Black-capped Chickadee, 3; Carolina Chickadee, 202; Tufted Titmouse, 149; White-breasted Nuthatch, 26; Brown Creeper, 28; Winter Wren, 2; Carolina Wren, 65; Mockingbird, 102; Robin, 46; Hermit Thrush, 7; Eastern Bluebird, 29; Golden-crowned Kinglet, 96; Ruby-crowned Kinglet, 4; Cedar Waxwing, 200; Loggerhead Shrike, 1; Starling, 1114; Myrtle Warbler, 76; House Sparrow, 257; Eastern Meadowlark, 133; Redwinged Blackbird, 351; Rusty Blackbird, **476**; Common Grackle, 25; Brown-headed Cowbird, 108; Cardinal, 221; Purple Finch, 35; Am. Goldfinch, 84; Rufous-sided Towhee, 38; Savannah Sparrow, 6; Vesper Sparrow, 3; Slate-colored Junco, 1186; Tree Sparrow, 26; Field Sparrow, 257; White-crowned Sparrow, 6; White-throated Sparrow, 741; Fox Sparrow, 12; Swamp Sparrow, 14; Song Sparrow, 360. **Total,** 79 species; about 9678 individuals.—J. M. Abbott (compiler), Louise Berry, Ron Chiabotta, Phil DuMont, George Golding, Ed Hayward, William A. Houston, Pauline J. Houston, Dr. and Mrs. Dan Keaney, James Meade, Jim Middleton, Lois Morgan, Michael Newlon, Mike Smith, Mr. and Mrs. Ray P. Teale, Fos Trowbridge, Robert J. Watson.

191. **Glade Spring, Va.** (all points within a 15-mile diameter circle, center at junction of secondary roads 609 and 750; farmland and pastures 35%, deciduous woods 30%, mixed pine and deciduous woods 13%, riverbottoms 20%, marsh and ponds 2%).—Dec. 27; 7:30 a.m. to 5:30 p.m. Cloudy, light rain p.m.; temp. 20° to 40°; wind SW, 0-5 m.p.h.; ground bare, ponds mostly frozen. Two observers in 1 party. Total party-hours, 10 (2 on foot, 8 by car); total party-miles, 85 (2 on foot, 83 by car). ► Mallard, 80; Black Duck, 19; Green-winged Teal, 3; Ruddy Duck, 1; Turkey Vulture, 67; Black Vulture, 3; Cooper's Hawk, 2; Red-tailed Hawk, 2; Sparrow Hawk, 8; Am. Coot, 8; Killdeer, 8; Common Snipe, 6; Mourning Dove, 83; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 7; Blue Jay, 27; Common Crow, 44; Carolina Chickadee, 15; Tufted Titmouse, 9; White-breasted Nuthatch, 1; Brown Creeper, 2; Bewick's Wren, 1; Carolina Wren, 14; Mockingbird, 8; Golden-crowned Kinglet, 2; Loggerhead Shrike, 2; Starling, 5000; House Sparrow, 60; Eastern Meadowlark, 35; Redwinged Blackbird, 1; Common Grackle, **5000**; Brown-headed Cowbird, 40; Cardinal, 109; Am. Goldfinch, 5; Rufous-sided Towhee, 1; Slate-colored Junco, 37; Field Sparrow, 26; White-crowned Sparrow, 28; White-throated Sparrow, 27; Swamp Sparrow, 2; Song Sparrow, 15. **Total,** 44 species; about 10,812 individuals. (Seen in area count period, but not on count day: Red-bellied Woodpecker, Winter Wren, Robin, Eastern Bluebird, Ruby-crowned Kinglet, Fox Sparrow.)—Mrs. Carleton Abbott, P. S. Dulaney (compiler).

192. **Hopewell, Va.** (all points within a 15-mile diameter circle, center same as last 4 years; Presquile National Wildlife Refuge and vicinity; open farmland 35%, brushy fields 5%, marshes and river shore 12%, deciduous wooded swamp 12%, woodland 36%).—Dec. 27; 6:30 a.m. to 5 p.m. Clear; temp. 16° to 50°; wind SE to E, 2-10 m.p.h.; ground bare, still water and marshes completely frozen. Two observers in 2 parties. Total party-hours, 14½ (10½ on foot, 1 by car, 3 by boat); total party-miles, 59 (8 on foot, 45 by car, 6 by boat). ► Horned Grebe, 3; Pied-billed Grebe, 7; Great Blue Heron, 14; Canada Goose, 6500; Snow Goose, 19; Blue Goose, 39; Mallard, 3000; Black Duck, 1500; Pintail, 250; Green-winged Teal, 23; Am. Widgeon, 17; Wood Duck, 23; Ring-necked Duck, 15; Ruddy Duck, 282; Common Merganser, 38; Turkey Vulture, 2; Black Vulture, 10; Red-shouldered Hawk, 1; Bald Eagle, 5; Bobwhite, 7; Killdeer, 1; Herring Gull, 5; Ring-billed Gull, 215; Mourning Dove, 354; Screech Owl, 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 24; Pileated Woodpecker, 5; Red-bellied Woodpecker, 19; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 6; Hairy Woodpecker, 2; Downy Woodpecker, 9; Blue Jay, 41; Common Crow, 128; Fish Crow, 2; Carolina Chickadee, 26; Tufted Titmouse, 25; White-breasted Nuthatch, 2; Red-breasted Nuthatch, 1; Brown Creeper, 5; Winter Wren, 1; Carolina Wren, 14; Mockingbird, 13; Robin, 2; Hermit Thrush, 1; Eastern Bluebird, 11; Golden-crowned Kinglet, 19; Ruby-crowned Kinglet, 8; Loggerhead Shrike, 3; Starling, 2200; Myrtle Warbler, 32; House Sparrow, 183; Eastern Meadowlark, 20; Redwinged Blackbird, **9650**; Common Grackle, **500**; Brown-headed Cowbird, 560; Cardinal, 69; Purple Finch, 22; Am. Goldfinch, 27; Rufous-sided Towhee, 8; Slate-colored Junco, 60; Field Sparrow, 45; White-throated Sparrow, 195; Fox Sparrow, 1; Swamp Sparrow, 1; Song Sparrow, 54. **Total,** 67 species; about 26,333 individuals.—Bill Good, F. R. Scott (compiler).

193. **Lexington, Va.** (all points within a 15-mile diameter circle; Sunnyside Farm, Brushy Hills, Big Spring Pond, Maury River from Cave Spring to Limekiln Bridge, Warm Run, mouth of South River; pasture and fields 25%, scrub 30%, hardwood forest 20%, cedar woods 20%, riverbottom 5%).—Dec. 26; 7 a.m. to 5 p.m. Clear; temp. 9° to 32°; wind W to SW, up to 5 m.p.h.; river and ponds frozen, Big Spring open. Six observers in 2 parties. Total party-hours, 18 (16 on foot, 2 by car); total party-miles, 54 (14 on foot, 40 by car). ► Great Blue Heron, 2; Mallard, 59; Black Duck, 2; Turkey Vulture, 20; Red-tailed Hawk, 2; Red-shouldered Hawk, 2; Marsh Hawk, 1; Peregrine Falcon, 1; Sparrow Hawk, 2;

Ruffed Grouse, 1; Bobwhite, 41; Am. Coot, 1; Killdeer, 5; Common Snipe, 3; Mourning Dove, 1; Screech Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 3; Pileated Woodpecker, 6; Red-bellied Woodpecker, 7; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 18; Eastern Phoebe, 1; Horned Lark, 27; Blue Jay, 16; Common Crow, 220; Carolina Chickadee, 64; Tufted Titmouse, 19; White-breasted Nuthatch, 2; Brown Creeper, 1; Winter Wren, 4; Carolina Wren, 15; Mockingbird, 41; Robin, 2; Hermit Thrush, 2; Eastern Bluebird, 23; Golden-crowned Kinglet, 4; Water Pipit, 3; Loggerhead Shrike, 3; Starling, 939; Myrtle Warbler, 14; **Palm Warbler, 1** (R. P. C.); House Sparrow, 136; Eastern Meadowlark, 23; Cardinal, 104; Purple Finch, 67; Am. Goldfinch, 30; Slate-colored Junco, 143; Tree Sparrow, 12; Field Sparrow, 54; White-crowned Sparrow, 5; White-throated Sparrow, 108; Song Sparrow, 24. **Total,** 55 species; about 2293 individuals.—Robert P. Carroll, Robert P. Carroll, Jr., David Foster, Robert O. Paxton (compiler), Bromfield L. Ridley, Joshua C. Womeldorf.

194. Little Creek, Va. (all points within a 15-mile diameter circle, center 1½ miles NE of Kempsville, including Lynnhaven Inlet, Little Creek, eastern portion of Norfolk City, Stumpy Lake; open farmland 25%, pine woodland 10%, deciduous woodland 50%, salt marsh, sand beach, bay, rivers 10%, city suburbs 5%).—Jan. 1; 5:30 a.m. to 5 p.m. Cloudy, with rain showers; temp. 46° to 56°; wind ENE to SE; 8-15 m.p.h.; ground bare, water open. Eighteen observers in 7 parties. Total party-hours, 68 (34 on foot, 34 by car); total party-miles, 383 (21 on foot, 362 by car). ► Common Loon, 1; Red-throated Loon, 2; Horned Grebe, 129; Pied-billed Grebe, 50; Double-crested Cormorant, 7; Great Blue Heron, 27; Black-crowned Night Heron, 1; Am. Bittern, 2; Whistling Swan, 12; Canada Goose, 39; Mallard, 84; Black Duck, 77; Gadwall, 2; Pintail, 3; Blue-winged Teal, 8; Am. Widgeon, 756; Wood Duck, 8; Redhead, 4; Ring-necked Duck, 117; Canvasback, 65; Greater Scaup, 82; Common Goldeneye, 92; Bufflehead, 68; White-winged Scoter, 3; Surf Scoter, 5; Common Scoter, 8; Ruddy Duck, 123; Hooded Merganser, 71; Common Merganser, 3; Red-breasted Merganser, 21; Turkey Vulture, 13; Black Vulture, 16; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 3; Bald Eagle, 5; Marsh Hawk, 1; Sparrow Hawk, 35; Bobwhite, 120; King Rail, 3; Clapper Rail, 15; Am. Coot, 13; Killdeer, 63; Black-bellied Plover, 1; Common Snipe, 20; Purple Sandpiper, 1; Dunlin, 11; Sanderling, 40; Great Black-backed Gull, 26; Herring Gull, 3691; Ring-billed Gull, 7056; Laughing Gull, 1; Bonaparte's Gull, 19; Mourning Dove, 95; Screech Owl, 4; Barred Owl, 3; Belted Kingfisher, 23; Yellow-shafted Flicker, 78; Pileated Woodpecker, 9; Red-bellied Woodpecker, 56; Red-headed Woodpecker, 26; Yellow-bellied Sapsucker, 8; Hairy Woodpecker, 13; Downy Woodpecker, 32; Blue Jay, 38; Common Crow, 601; Fish Crow, 114; Carolina Chickadee, 218; Tufted Titmouse, 113; White-breasted Nuthatch, 9; Brown-headed Nuthatch, 25; Brown Creeper, 16; House Wren, 2; Winter Wren, 3; Carolina Wren, 174; Long-billed Marsh Wren, 5; Short-billed Marsh Wren, 3; Mockingbird, 139; Catbird, 9; Brown Thrasher, 37; Robin, 190; Hermit Thrush, 20; Eastern Bluebird, 91; Golden-crowned Kinglet, 20; Ruby-crowned Kinglet, 8; Water Pipit, 300; Cedar Waxwing, 2; Loggerhead Shrike, 1; Starling, 8828; Myrtle Warbler, 939; Pine Warbler, 5; Yellowthroat, 1; House Sparrow, 777; Eastern Meadowlark, 221; Red-winged Blackbird, 1757; Common Grackle, 8646; Brown-headed Cowbird, 514; Cardinal, 334; Purple Finch, 6; Pine Siskin, 3; Am. Goldfinch, 86; Rufous-sided Towhee, 154; Savannah Sparrow, 44; Sharp-tailed Sparrow, 49; Seaside Sparrow, 9; Vesper Sparrow, 2; Slate-colored Junco, 588; Tree Sparrow, 1; Chipping Sparrow, 117; Field Sparrow, 250; White-throated Sparrow, 1495; Fox Sparrow, 63; Swamp Sparrow, 139; Song Sparrow, 304. **Total,** 115 species; about 40,810 individuals.—W. G. Akers, Mrs. L. E. Burford, Elizabeth Dabney, Mrs. D. S. Derby, Mrs. Leamon Forrest, S. D. Fretwell, D. S. Gordon, Gisela Grimm, Mr. and Mrs. J. P. Hailman, H. A. Hespenheide, D. W. Lamm, Mrs. M. F. Morrisette, R. H. Peake, Jr., F. C. Richardson, W. F. Rountrey, P. W. Sykes, Jr. (compiler), E. G. Webster, Jr.

195. Nansemond River, Va. (all points within a 15-mile diameter circle, center 1½ miles NE of Driver, including Craney Island disposal area, Nansemond River, Chuckatuck Creek, Chuckatuck, Driver; open farmland 30%, pine woodland 10%, deciduous woodland 20%, marsh, beach, rivers, bay 40%).—Dec. 26; 7 a.m. to 5 p.m. Clear; temp. 25° to 32°; wind N to E, 9-3 m.p.h.; ground bare, small bodies of water frozen. Nine observers in 3 parties. Total party-hours, 30 (10 on foot, 20 by car); total party-miles, 201 (11 on foot, 190 by car). ► Red-throated Loon, 1; Horned Grebe, 47; Pied-billed Grebe, 8; Double-crested Cormorant, 3; Great Blue Heron, 35; **Little Blue Heron, 1**; Canada Goose, 476; Mallard, 69; Black Duck, 183; Gadwall, 45; Pintail, 115; Green-winged Teal, 8; Am. Widgeon, 795; Wood Duck, 5; Redhead, 2; Ring-necked Duck, 535; Canvasback, 1052; Greater Scaup, 7; Common Goldeneye, 352; Bufflehead, 621; Oldsquaw, 41; White-winged Scoter, 1; Ruddy Duck, 1744; Hooded Merganser, 39; Red-breasted Merganser, 115; Turkey Vulture, 25; Black Vulture, 10; Red-tailed Hawk, 3; Red-shouldered Hawk, 10; Bald Eagle, 4; Marsh Hawk, 3; Peregrine Falcon, 1; Sparrow Hawk, 23; Bobwhite, 9; Clapper Rail, 3; Am. Coot, 34; **Semipalmated Plover, 3** (carefully identified); **Piping Plover, 1** (all field marks checked); Killdeer, 33; Black-bellied Plover, 9; Common Snipe, 3; Semipalmated Sandpiper, 9; Sanderling, 132; Great Black-backed Gull, **23**; Herring Gull, 12,000; Ring-billed Gull, 3180; Laughing Gull, 3; Bonaparte's Gull, 315; Forster's Tern, 3; Mourning Dove, 324; Belted Kingfisher, 8; Yellow-shafted Flicker, 38; Red-bellied Woodpecker, 26; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 7; Hairy Woodpecker, 3; Downy Woodpecker, 28; Horned Lark, 22; Blue Jay, 52; Common Crow, 437; Fish Crow, 383; Carolina

Chickadee, 81; Tufted Titmouse, 44; Brown Creeper, 6; Carolina Wren, 61; Mockingbird, 65; Catbird, 4; Brown Thrasher, 4; Robin, 244; Eastern Bluebird, 12; Golden-crowned Kinglet, 6; Ruby-crowned Kinglet, 3; Water Pipit, 152; Cedar Waxwing, 1; Loggerhead Shrike, 6; Starling, 785; Orange-crowned Warbler, 1; Myrtle Warbler, 242; Pine Warbler, 4; House Sparrow, 157; Eastern Meadowlark, 278; Redwinged Blackbird, 115,000; Rusty Blackbird, 16; Common Grackle, 18,200; Brown-headed Cowbird, 73; Cardinal, 131; Purple Finch, 2; Am. Goldfinch, 39; Rufous-sided Towhee, 44; Savannah Sparrow, 31; Sharp-tailed Sparrow, 2; Slate-colored Junco, 140; Field Sparrow, 57; White-throated Sparrow, 371; Fox Sparrow, 13; Swamp Sparrow, 68; Song Sparrow, 159; **Snow Bunting, 75** (carefully identified by 4 observers). **Total,** 98 species; about 160,043 individuals.—J. E. Ames, S. D. Fretwell, M. T. Griffin, H. A. Hespenheide, F. C. Richardson, C. J. Riddick, W. F. Rountrey, P. W. Sykes, Jr. (compiler), E. G. Webster, Jr.

196. **Newport News, Va.** (all points within a 15-mile diameter circle, bounded by Chesapeake Bay, Hampton Roads, James River, Grafton; woodland 30%, open fields 30%, fresh-water ponds 10%, waterfront 30%).—Dec. 27; 7 a.m. to 4 p.m. Clear; temp. 20° to 45°; wind N, 5 m.p.h.; ground bare, ponds and marshes frozen. Fifteen observers in 7 parties. Total party-hours, 54 (27 on foot, 27 by car); total party-miles, 217 (35 on foot, 182 by car). ► Common Loon, 2; Horned Grebe, 291; Pied-billed Grebe, 29; Double-crested Cormorant, 1; Great Blue Heron, 16; Mallard, 47; Black Duck, 61; Gadwall, 6; Green-winged Teal, 3; Am. Widgeon, 477; Redhead, 1; Ring-necked Duck, 5; Canvasback, 45; Lesser Scaup, 73; Common Goldeneye, 97; Bufflehead, 112; Surf Scoter, 12; Common Scoter, 1; Ruddy Duck, 136; Hooded Merganser, 3; Red-breasted Merganser, 27; Turkey Vulture, 23; Black Vulture, 60; Sharp-shinned Hawk, 3; Red-tailed Hawk, 1; Red-shouldered Hawk, 2; Bald Eagle, 1; Marsh Hawk, 1; Pigeon Hawk, 2; Sparrow Hawk, 12; Bobwhite, 33; Clapper Rail, 5; Am. Coot, 1; **Semipalmated Plover, 3**; Killdeer, 158; Black-bellied Plover, 5; Ruddy Turnstone, 1; Common Snipe, 6; Dunlin, 105; Sanderling, 40; Great Black-backed Gull, 11; Herring Gull, 1625; Ring-billed Gull, 295; Laughing Gull, 12; Bonaparte's Gull, 15; Royal Tern, 1; Mourning Dove, 67; **Short-eared Owl, 2**; Belted Kingfisher, 2; Yellow-shafted Flicker, 47; Pileated Woodpecker, 1; Red-bellied Woodpecker, 10; Red-headed Woodpecker, 5; Yellow-bellied Sapsucker, 7; Hairy Woodpecker, 1; Downy Woodpecker, 15; Eastern Phoebe, 1; Tree Swallow, 10; Blue Jay, 25; Common Crow, 342; Fish Crow, 2; Carolina Chickadee, 27; Tufted Titmouse, 35; White-breasted Nuthatch, 3; Brown Creeper, 2; Carolina Wren, 35; Short-billed Marsh Wren, 2; Mockingbird, 107; Catbird, 1; Brown Thrasher, 13; Robin, 4; Eastern Bluebird, 26; Golden-crowned Kinglet, 3; Cedar Waxwing, 48; Starling, 2164; Myrtle Warbler, 207; Pine Warbler, 2; Yellowthroat, 1; House Sparrow, 376; Eastern Meadowlark, 181; Redwinged Blackbird, 370; Baltimore Oriole, 4; Common Grackle, 3164; Brown-headed Cowbird, 26; Cardinal, 93; Am. Goldfinch, 64; Rufous-sided Towhee, 27; Savannah Sparrow, 9; Slate-colored Junco, 144; Field Sparrow, 43; White-throated Sparrow, 350; Fox Sparrow, 82; Song Sparrow, 136; Snow Bunting, 35. **Total,** 94 species; about 12,187 individuals. (Seen in area count period, but not on count day: Am. Woodcock, **Dovekie** caught, later released).—Martha Armstrong, Georgianna Cumming, John Grey, C. W. Hacker, M. Hathaway, Norma Katz, Roger Miller, Emmy Lou Machen, S. Mitchell, N. D. O'Bannon, Mike Serig, Doris Smith, W. P. Smith (compiler), Tim Sniffen, Mary Alice Talbott (Hampton Roads Bird Club).

197. **Norfolk County, Va.** (all points within a 15-mile diameter circle, center about 6½ miles NE of Wallaceton, including eastern edge of Dismal Swamp, western part of Northwest River, Great Bridge, Butts Station, Fentress, Deep Creek; open farmland 30%, wooded swampland 24%, mixed woodland 30%, deciduous woodland 5%, pine woodland 10%, marsh 1%).—Dec. 30; 5 a.m. to 5 p.m. Clear; temp. 40° to 58°; wind N, 5-16 m.p.h.; ground bare, water open. Ten observers in 4 parties. Total party-hours, 43 (22 on foot, 21 by car); total party-miles, 287 (15 on foot, 272 by car). ► Pied-billed Grebe, 4; Common Egret, 1; Black Duck, 3; Hooded Merganser, 2; Turkey Vulture, 33; Black Vulture, 42; Cooper's Hawk, 4; Red-tailed Hawk, 5; Red-shouldered Hawk, 8; Bald Eagle, 1; Marsh Hawk, 7; Peregrine Falcon, 1; Sparrow Hawk, 32; Bobwhite, 57; King Rail, 3; Clapper Rail, 1; Killdeer, 11; Common Snipe, 1; Herring Gull, 329; Ring-billed Gull, 207; Mourning Dove, 78; Screech Owl, 2; Barred Owl, 4; Belted Kingfisher, 5; Yellow-shafted Flicker, 76; Pileated Woodpecker, 10; Red-bellied Woodpecker, 42; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 13; Downy Woodpecker, 42; Eastern Phoebe, 1; Blue Jay, 60; Common Crow, 515; Fish Crow, 91; Carolina Chickadee, 120; Tufted Titmouse, 30; White-breasted Nuthatch, 5; Brown-headed Nuthatch, 12; Brown Creeper, 7; House Wren, 2; Winter Wren, 4; Carolina Wren, 116; Mockingbird, 102; Catbird, 23; Brown Thrasher, 15; Robin, 6750; Hermit Thrush, 4; Eastern Bluebird, 68; Golden-crowned Kinglet, 16; Ruby-crowned Kinglet, 7; Water Pipit, 19; Cedar Waxwing, 4; Loggerhead Shrike, 5; Starling, 10,000; Orange-crowned Warbler, 1; Myrtle Warbler, 405; Pine Warbler, 10; Yellowthroat, 3; **Yellow-breasted Chat, 1** (R. P., E. W.); House Sparrow, 283; Eastern Meadowlark, 179; Redwinged Blackbird, **6,000,000**; Rusty Blackbird, 37; Common Grackle, **6,000,000**; Brown-headed Cowbird, 100,000; Cardinal, 243; Purple Finch, 88; Pine Siskin, 4; Am. Goldfinch, 156; Rufous-sided Towhee, 176; Savannah Sparrow, 7; Slate-colored Junco, 223; Chipping Sparrow, 7; Field Sparrow, 317; White-throated Sparrow, 1359; Fox Sparrow, 57; **Lincoln's Sparrow, 1** (R. P., E. W.); Swamp Sparrow, 132; Song Sparrow, 344. **Total,** 79 species; about 12,123,037 individuals.—Dr. and Mrs. W. G. Akers, S. D. Fretwell, Gisela Grimm, H. A. Hespenheide, R. H. Peake, Jr., F. C.

Richardson, W. F. Rountrey, P. W. Sykes, Jr. (compiler), E. G. Webster, Jr.

198. Rockingham County, Va. (all points within a 15-mile diameter circle, center at Ottobine; elevation 1160 to 3200 feet; lake, lawn and shade trees in town, cottonwood-sycamore riverbottoms, open farmland and farm woodlot, mixed Appalachian conifers and hardwoods in mountains).—Dec. 27; 8 a.m. to 5 p.m. Sunny to cloudy; temp. 10° to 44°; wind S, 10-15 m.p.h. Four observers plus pointer dog in 2 parties. Total party-hours, 32 (22 on foot, 10 by car); total party-miles, 106 (15 on foot, 91 by car). ► Pied-billed Grebe, 3; Great Blue Heron, 1; Canada Goose, 1 **(small race)**; Mallard, 148; Black Duck, 15 **(1 Black X Mallard cross)**; Gadwall, 14; Pintail, 6; Am. Widgeon, 87; Ring-necked Duck, 5; Lesser Scaup, 2; Ruddy Duck, 2; Hooded Merganser, 3; Turkey Vulture, 171; Black Vulture, 51; Cooper's Hawk, 2; Red-tailed Hawk, 1; Sparrow Hawk, 4; Ruffed Grouse, 1; Bobwhite, 25; Am. Coot, 9; Killdeer, 3; Common Snipe, 1; Mourning Dove, 4; Screech Owl, 1; Barred Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 2; Pileated Woodpecker, 4; Red-bellied Woodpecker, 1; Downy Woodpecker, 8; Blue Jay, 6; Common Raven, 1; Common Crow, 101; Black-capped Chickadee, 18; Tufted Titmouse, 4; White-breasted Nuthatch, 7; Brown Creeper, 2; Winter Wren, 2; Carolina Wren, 3; Mockingbird, 12; Eastern Bluebird, 20; Golden-crowned Kinglet, 10; Cedar Waxwing, 9; Loggerhead Shrike, 5; Starling, 1296; Myrtle Warbler, 1; House Sparrow, 120; Eastern Meadowlark, 6; Cardinal, 50; Am. Goldfinch, 5; Slate-colored Junco, 51; Tree Sparrow, 3; Field Sparrow, 2; White-crowned Sparrow, 25; White-throated Sparrow, 3; Song Sparrow, 10. **Total,** 56 species (1 additional hybrid); about 2352 individuals.—Max Carpenter (compiler), Hollen Helbert, Harry Jopson, Jack G. Miller.

199. Warren, Va. (all points within a 15-mile diameter circle, center near Keene as last year).—Dec. 31; 6:45 a.m. to 4:45 p.m. Partly cloudy; temp. 25° to 55°; wind NW, 0-5 m.p.h. Two observers in 2 parties. Total party-hours, 19 (16 on foot, 3 by car); total party-miles, 92 (22 on foot, 70 by car). ► Mallard, 201; Black Duck, 18; Gadwall, 2; Am. Widgeon, 48; Lesser Scaup, 2; Bufflehead, 1; Common Merganser, 1; Turkey Vulture, 12; Black Vulture, 16; Cooper's Hawk, 1; Red-tailed Hawk, 6; Red-shouldered Hawk, 1; **Rough-legged Hawk, 1** (C. S.); Marsh Hawk, 1; Sparrow Hawk, 2; Bobwhite, 28; Killdeer, 8; Common Snipe, 18; Mourning Dove, 460; Belted Kingfisher, 1; Yellow-shafted Flicker, 14; Pileated Woodpecker, 2; Red-bellied Woodpecker, 16; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 5; Downy Woodpecker, 26; Eastern Phoebe, 2; Horned Lark, 11; Blue Jay, 26; Common Crow, 601; Carolina Chickadee, 77; Tufted Titmouse, 42; White-breasted Nuthatch, 6; Brown Creeper, 5; Winter Wren, 5; **Bewick's Wren, 1** (K. L.); Carolina Wren, 34; Mockingbird, 57; Robin, 1; Hermit Thrush, 4; Eastern Bluebird, 36; Golden-crowned Kinglet, 38; Ruby-crowned Kinglet, 6; Water Pipit, 1; Loggerhead Shrike, 7; Starling, 378; Myrtle Warbler, 35; House Sparrow, 50; Eastern Meadowlark, 192; Redwinged Blackbird, 48; Rusty Blackbird, **14,404**; Common Grackle, **13,000**; Brown-headed Cowbird, 15; Cardinal, 138; Purple Finch, 15; Pine Siskin, 20; Am. Goldfinch, 26; Savannah Sparrow, 2; Slate-colored Junco, 613; Tree Sparrow, 2; Field Sparrow, 145; White-crowned Sparrow, 31; White-throated Sparrow, 115; Fox Sparrow, 3; Swamp Sparrow, 5; Song Sparrow, 124. **Total,** 66 species; about 31,214 individuals. (Freshly dead Herring Gull found at pond.)—Kenneth Lawless, Charles E. Stevens (compiler).

200. Chapel Hill, N. C. (all points within a 15-mile diameter circle, center University Belltower; oak-hickory climax 30%, low ground thickets and farmland 30%, marsh and lake shores 30%, pine forest 5%, campus 5%).—Dec. 28; 8 a.m. to 5 p.m. Heavy rain all day; temp. 40° to 40°; wind NE, 10 m.p.h. Eleven observers in 4 parties. Total party-hours, 20 (4 on foot, 16 by car); total party-miles, 25 (4 on foot, 21 by car). ► Pied-billed Grebe, 1; Great Blue Heron, 5; Mallard, 31; Black Duck, 12; Gadwall, 4; Ring-necked Duck, 150; Canvasback, 8; Lesser Scaup, 6; Ruddy Duck, 7; Hooded Merganser, 15; Am. Coot, 10; Mourning Dove, 10; Belted Kingfisher, 2; Yellow-shafted Flicker, 7; Red-bellied Woodpecker, 5; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 4; Downy Woodpecker, 12; Eastern Phoebe, 2; Blue Jay, 11; Common Crow, 8; Carolina Chickadee, 30; Tufted Titmouse, 25; White-breasted Nuthatch, 12; Brown-headed Nuthatch, 7; Brown Creeper, 3; Carolina Wren, 14; Mockingbird, 8; Catbird, 1; Brown Thrasher, 1; Hermit Thrush, 3; Eastern Bluebird, 23; Ruby-crowned Kinglet, 1; Cedar Waxwing, 17; Starling, 5; Myrtle Warbler, 18; Pine Warbler, 31; House Sparrow, 5; Eastern Meadowlark, 50; Redwinged Blackbird, 1; **Baltimore Oriole, 3**; Cardinal, 40; Purple Finch, 61; **Common Redpoll, 3** (carefully identified—W. P.); Am. Goldfinch, 20; Rufous-sided Towhee, 14; Slate-colored Junco, 100; Field Sparrow, 15; White-throated Sparrow, 67; Fox Sparrow, 1; Swamp Sparrow, 1; Song Sparrow, 11. **Total,** 52 species; about 904 individuals. (Seen in area count period, but not on count day: Black Vulture, Turkey Vulture, Sharp-shinned Hawk, Killdeer, Red-headed Woodpecker.)—Marion H. Crosson, Mr. and Mrs. R. P. Kaighn, Mrs. W. D. Patterson, Bill Roe (compiler), R. B. Sharpe, Mr. and Mrs. M. L. Thompson.

201. Charlotte, N. C. (all points within a 15-mile diameter circle, center at intersection of 7th St. and Briar Creek as in past 16 years; cover and food content of open water areas greatly reduced by continuing development).—Dec. 27; 7 a.m. to 5 p.m. Cloudy a.m., clearing noon, light rain p.m.; temp. 29° to 45°; wind NE, 12 m.p.h.; ground bare, water open. Twelve observers in 4 parties. Total party-hours, 34 (16 on foot, 18 by car); total party-miles, 203 (17 on foot, 186 by car). ► Mallard, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 1; Bobwhite, 25; Killdeer,

16; Common Snipe, 5; Herring Gull, 3; Ring-billed Gull, 177 (all gulls at city dump); Mourning Dove, 141; Belted Kingfisher, 1; Yellow-shafted Flicker, 26; Red-bellied Woodpecker, 10; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 4; Downy Woodpecker, 9; Blue Jay, 106; Common Crow, 74; Carolina Chickadee, 52; Tufted Titmouse, 33; White-breasted Nuthatch, 5; Brown-headed Nuthatch, 16; Brown Creeper, 1; Carolina Wren, 4; Mockingbird, 53; Brown Thrasher, 5; Robin, 43; Hermit Thrush, 2; Eastern Bluebird, 111; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 7; Water Pipit, 16; Cedar Waxwing, 31; Loggerhead Shrike, 16; Starling, 2400; Myrtle Warbler, 14; Pine Warbler, 6; House Sparrow, 173; Eastern Meadowlark, 127; Rusty Blackbird, 20; Cardinal, 217; Purple Finch, 67; Am. Goldfinch, 62; Rufous-sided Towhee, 25; Savannah Sparrow, 18; Slate-colored Junco, 340; Chipping Sparrow, 1; Field Sparrow, 52; White-throated Sparrow, 138; Fox Sparrow, 1; Song Sparrow, 38. **Total,** 52 species; about 4704 individuals.—Mrs. M. J. Barber, B. R. Chamberlain (compiler), Mrs. E. O. Clarkson, Mrs. William G. Cobey, Mrs. Ray Ford, P. J. Hamilton, Fred May, Mr. and Mrs. J. R. Norwood, Mrs. George C. Potter, Mrs. E. J. Presser, William M. Smith (Mecklenburg Audubon Club).

202. **Fayetteville, N. C.** (all points within a 15-mile diameter circle, center in Fayetteville; open farmland 20%, pine woodland 30%, deciduous woodland 15%, open fields 30%, lakes and ponds with small swamps 5%).—Dec. 23; 7 a.m. to 3 p.m. Clear; temp. 40° to 65°; wind SW, 0-15 m.p.h.; ground ¾ covered with shallow snow, water mostly open. One observer. Total hours, 8; total miles, 12 (all on foot). ► Pied-billed Grebe, 4; Great Blue Heron, 1; Am. Bittern, 1; Canada Goose, 8; Mallard, 17; Turkey Vulture, 1; Red-tailed Hawk, 3; Peregrine Falcon, 1; Bobwhite, 5; Killdeer, 2; Mourning Dove, 23; Screech Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 7; Red-bellied Woodpecker, 12; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 9; Downy Woodpecker, 3; Red-cockaded Woodpecker, 1; Eastern Phoebe, 2; Blue Jay, 6; Common Crow, 14; Carolina Chickadee, 51; Tufted Titmouse, 70; Red-breasted Nuthatch, 1; Carolina Wren, 26; Mockingbird, 2; Brown Thrasher, 1; Hermit Thrush, 7; Eastern Bluebird, 11; Starling, 4; Myrtle Warbler, 3; Pine Warbler, 2; House Sparrow, 200; Eastern Meadowlark, 15; Redwinged Blackbird, 2; **Baltimore Oriole, 2**; Rusty Blackbird, 19; Cardinal, 10; Purple Finch, 5; Pine Siskin, 2; Am. Goldfinch, 1; Rufous-sided Towhee, 3; Savannah Sparrow, 4; Slate-colored Junco, 500; Chipping Sparrow, 175; Field Sparrow, 300; White-throated Sparrow, 125; Fox Sparrow, 2; Song Sparrow, 16. **Total,** 50 species; about 1684 individuals. (Seen in area count period, but not on count day: Sparrow Hawk, Evening Grosbeak.)—Jimmy C. Dearing.

203. **Hampstead, N. C.** (all points within a 15-mile diameter circle, center on edge of Inland Waterway 1 mile SSE of Hampstead, including New Topsail Beach, Sloop Point, Hampstead, Scotts Hill, Porter's Neck, Mason's Landing, Figure Eight Island, also Island Creek, Harrison's Creek, and Godfrey Creek areas; ocean beach 5%, open sound 10%, salt marsh 5%, open fields 55%, pine barrens 15%, hardwood swamps 10%).—Dec. 23; 5:15 a.m. to 6:20 p.m. Partly cloudy; temp. 34° to 65°; wind SW, 0-18 m.p.h.; ground bare, water open, sea calm. Five observers in 2 parties. Total party-hours, 20 (5 on foot, 14 by car, 1 by boat); total party-miles, 252 (4 on foot, 246 by car, 2 by boat). ► Common Loon, 81; Red-throated Loon, 35; Horned Grebe, 94; Pied-billed Grebe, 22; Brown Pelican, 2; Gannet, 2; Great Blue Heron, 19; Little Blue Heron, 17; Common Egret, 6; Snowy Egret, 8; Louisiana Heron, 6; Black-crowned Night Heron, 2; Mallard, 33; Black Duck, 11; Green-winged Teal, 8; Am. Widgeon, 30; Shoveler, 6; Wood Duck, 2; Ring-necked Duck, 2; Lesser Scaup, 3; Bufflehead, 64; White-winged Scoter, 2; Common Scoter, 14; Ruddy Duck, 15; Hooded Merganser, 14; Red-breasted Merganser, 46; Turkey Vulture, 44; Black Vulture, 12; Sharp-shinned Hawk, 1; Red-tailed Hawk, 4; Red-shouldered Hawk, 2; Marsh Hawk, 4; Osprey, 1; Sparrow Hawk, 10; Bobwhite, 70; Clapper Rail, 7; Am. Coot, 11; Semipalmated Plover, 1; Piping Plover, 5; Killdeer, 111; Black-bellied Plover, 36; Am. Woodcock, 3; Common Snipe, 2; Spotted Sandpiper, 1; Willet, 1; Greater Yellowlegs, 4; Lesser Yellowlegs, 2; Dunlin, 259; Long-billed Dowitcher, 4; Semipalmated Sandpiper, 36; **Marbled Godwit, 1**; Sanderling, 43; Herring Gull, 374; Ring-billed Gull, 1142; Bonaparte's Gull, 1; Forster's Tern, 15; Common Tern, 1; Royal Tern, 2; Mourning Dove, 89; Barn Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 19; Pileated Woodpecker, 1; Red-bellied Woodpecker, 14; Red-headed Woodpecker, 4; Hairy Woodpecker, 2; Downy Woodpecker, 3; Eastern Phoebe, 3; Blue Jay, 23; Common Crow, 104; Fish Crow, 2; Carolina Chickadee, 21; Tufted Titmouse, 21; Brown-headed Nuthatch, 13; House Wren, 4; Carolina Wren, 21; Mockingbird, 20; Catbird, 1; Brown Thrasher, 12; Robin, 210; Hermit Thrush, 21; Eastern Bluebird, 19; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 3; Water Pipit, 65; Loggerhead Shrike, 5; Starling, 24; **Black-and-white Warbler, 1** (M. B.); Myrtle Warbler, 159; Palm Warbler, 3; House Sparrow, 22; Eastern Meadowlark, 135; Red-winged Blackbird, 1458; Boat-tailed Grackle, 27; Common Grackle, 235; Brown-headed Cowbird, 396; Cardinal, 30; Am. Goldfinch, 19; Rufous-sided Towhee, 37; Savannah Sparrow, 49; Seaside Sparrow, 1; Vesper Sparrow, 25; Slate-colored Junco, 101; Chipping Sparrow, 16; Field Sparrow, 41; White-throated Sparrow, 68; Fox Sparrow, 30; Swamp Sparrow, 5; Song Sparrow, 85. **Total,** 109 species; about 6426 individuals. (Seen in area count period, but not on count day: Double-crested Cormorant, Gadwall, Common Goldeneye, Bald Eagle, Black Skimmer, Rusty Blackbird, Purple Finch.)—Mrs. Edna Appleberry, Maurice V. Barnhill, Jr., John M. Irvine, John M. Irvine, Jr. (compiler), Gregg Massey.

204. **Jefferson, N. C.** (all points within a 15-mile diameter circle, center near Todd as in previous

counts).—Dec. 28; 7:15 a.m. to 5:30 p.m. Heavy rain all day; temp. 38° to 44°; wind SE, 2-4 m.p.h. Three observers in 1 party. Total party-hours, 8 (1½ on foot, 4½ by car, 2 by jeep); total party-miles, 50 (2 on foot, 40 by car, 8 by jeep). ► Common Crow, 9; Tufted Titmouse, 5; Eastern Bluebird, 10; House Sparrow, 25; Cardinal, 5; Am. Goldfinch, 1; Vesper Sparrow, 1; Slate-colored Junco, 52; Fox Sparrow, 1; Song Sparrow, 2. **Total,** 10 species; about 111 individuals. (Seen in area count period, but not on count day: Red-shouldered Hawk, Ruffed Grouse, Bobwhite, Screech Owl, Great Horned Owl, Pileated Woodpecker.)—Mrs. A. Burman Hurt (compiler), Johnny Jackson, James Miller.

205. Long Beach, N. C. (all points within a 15-mile diameter circle, center in Long Beach on the highway 3.9 miles west of junction with Fort Caswell Road at Yaupon Beach, including Southport, Battery Island, Fort Caswell, Yaupon Beach, Tranquil Harbour, Long Beach, Lockwood's Folly Inlet, eastern end of Holden's Beach, Stanbury, Gore's Landing; ocean beach 15%, salt marsh 10%, sound and bay 10%, pine barrens 35%, open fields 15%, hardwood swamp 5%, mixed woods 10%).—Dec. 30; 7 a.m. to 5:45 p.m. Clear; temp. 45° to 67°; wind NW, 5-25 m.p.h.; ground bare, water open, sea calm. Two observers in 1 party. Total party-hours, 10¾ (5¼ on foot, 5½ by car); total party-miles, 103 (4 on foot, 99 by car). ► Common Loon, 41; Red-throated Loon, 83; Horned Grebe, 61; Pied-billed Grebe, 4; Brown Pelican, 6; Double-crested Cormorant, 158; Great Blue Heron, 12; Little Blue Heron, 2; Common Egret, 7; Snowy Egret, 2; Louisiana Heron, 1; Am. Widgeon, 1; Lesser Scaup, 2; Bufflehead, 35; Common Scoter, 3; Ruddy Duck, 4; Red-breasted Merganser, 11; Turkey Vulture, 11; Black Vulture, 3; Red-tailed Hawk, 1; Red-shouldered Hawk, 4; Bald Eagle, 2; Marsh Hawk, 2; Sparrow Hawk, 7; Clapper Rail, 2; Am. Coot, 3; Am. Oystercatcher, 1; Killdeer, 16; Black-bellied Plover, 31; Ruddy Turnstone, 5; Dunlin, 13; Sanderling, 53; Herring Gull, 558; Ring-billed Gull, 1103; Laughing Gull, 4; Bonaparte's Gull, 14; Forster's Tern, 6; Royal Tern, 4; Black Skimmer, 2; Mourning Dove, 35; Belted Kingfisher, 5; Yellow-shafted Flicker, 4; Pileated Woodpecker, 1; Red-bellied Woodpecker, 6; Red-headed Woodpecker, 2; Hairy Woodpecker, 2; Blue Jay, 7; Common Crow, 22; Carolina Chickadee, 7; Tufted Titmouse, 8; Brown-headed Nuthatch, 6; House Wren, 1; Carolina Wren, 12; Long-billed Marsh Wren, 1; Short-billed Marsh Wren, 1; Mockingbird, 14; Brown Thrasher, 2; Robin, 90; Hermit Thrush, 3; Eastern Bluebird, 20; Ruby-crowned Kinglet, 4; Water Pipit, 22; Cedar Waxwing, 1; Loggerhead Shrike, 3; Starling, 44; Myrtle Warbler, 54; Pine Warbler, 1; Eastern Meadowlark, 99; Red-winged Blackbird, 682; Rusty Blackbird, 2; Boat-tailed Grackle, 39; Common Grackle, 379; Brown-headed Cowbird, 6; Cardinal, 12; Am. Goldfinch, 10; Rufous-sided Towhee, 25; Savannah Sparrow, 26; **Henslow's Sparrow,** 1; Sharp-tailed Sparrow, 1; Vesper Sparrow, 20; Slate-colored Junco, 26; Chipping Sparrow, 125; Field Sparrow, 15; White-throated Sparrow, 27; Fox Sparrow, 15; Song Sparrow, 30. **Total,** 86 species; about 4196 individuals. (Seen in area count period, but not on count day: Common Goldeneye, Hooded Merganser, Cooper's Hawk, Fish Crow, House Sparrow, Grasshopper Sparrow.)—Maurice V. Barnhill, Jr., John M. Irvine, Jr. (compiler).

206. Mattamuskeet National Wildlife Refuge, N. C. (all points within a 15-mile diameter circle, center at Mattamuskeet Lodge, including most of Mattamuskeet Refuge, portions of Swanquarter Refuge; fields and thickets 20%, pine woods and swamps 25%, fresh-water lake 40%, fresh marsh 5%, brackish-water bays 5%, brackish marsh 5%).—Dec. 28; 12:01 a.m. to 5 p.m. Overcast and raining; temp. 43° to 60°; wind SE to S, 5-12 m.p.h.; ground clear, water open. Nine observers in 3 parties. Total party-hours, 27 (10 on foot, 14 by car, 3 by boat); total party-miles, 199 (5 on foot, 177 by car, 17 by boat). ► Common Loon, 1; Horned Grebe, 8; Pied-billed Grebe, 6; Great Blue Heron, 8; Common Egret, 5; Snowy Egret, 2; Black-crowned Night Heron, 8; Am. Bittern, 4; Whistling Swan, 125; Canada Goose, 35,000; Snow Goose, 20; Blue Goose, 73; Mallard, 1200; Black Duck, 500; Gadwall, 9; Pintail, 5000; Green-winged Teal, 75; Am. Widgeon, 900; Shoveler, 2; Wood Duck, 2; Ring-necked Duck, 7; Canvasback, 400; Lesser Scaup, 276; Common Goldeneye, 12; Bufflehead, 210; Oldsquaw, 7; Surf Scoter, 32; Common Scoter, 19; Ruddy Duck, 1050; Hooded Merganser, 6; Red-breasted Merganser, 2; Turkey Vulture, 1; Black Vulture, 14; Sharp-shinned Hawk, 1; Red-tailed Hawk, 4; Red-shouldered Hawk, 4; Bald Eagle, 6; Marsh Hawk, 3; Sparrow Hawk, 19; Bobwhite, 3; Clapper Rail, 3; Am. Coot, 300; Killdeer, 18; Am. Woodcock, 1; Common Snipe, 3; Greater Yellowlegs, 2; Least Sandpiper, 3; Dunlin, 1; Great Black-backed Gull, 9; Herring Gull, 27; Ring-billed Gull, 168; Mourning Dove, 26; Screech Owl, 1; Great Horned Owl, 1; Barred Owl, 2; Belted Kingfisher, 5; Yellow-shafted Flicker, 23; Pileated Woodpecker, 4; Red-bellied Woodpecker, 2; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 1; Downy Woodpecker, 2; Eastern Phoebe, 1; Tree Swallow, 240; Common Crow, 200; Fish Crow, 3; Carolina Chickadee, 7; House Wren, 1; Winter Wren, 2; Carolina Wren, 15; Long-billed Marsh Wren, 1; Mockingbird, 18; Catbird, 4; Brown Thrasher, 2; Robin, 1200; Hermit Thrush, 2; Eastern Bluebird, 3; Ruby-crowned Kinglet, 5; Starling, 130; **Black-and-white Warbler, 2** (close study, 3 observers); Orange-crowned Warbler, 1; Myrtle Warbler, 400; Pine Warbler, 6; Yellowthroat, 1; House Sparrow, 40; Eastern Meadowlark, 26; Redwinged Blackbird, 21,000; Common Grackle, 500; Brown-headed Cowbird, 1; Cardinal, 30; Am. Goldfinch, 9; Rufous-sided Towhee, 24; Savannah Sparrow, 26; Sharp-tailed Sparrow, 2; Slate-colored Junco, 4; Field Sparrow, 10; **White-crowned Sparrow,** 1 (carefully identified); White-throated Sparrow, 105; Fox Sparrow, 22; Swamp Sparrow, 3; Song Sparrow, 41. **Total,** 101 species; about 69,717 individuals. (Seen in area count period, but not on count day: Double-crested

Cormorant, Redhead, King Rail, Virginia Rail, Short-billed Dowitcher, Tufted Ttimouse, Brown-headed Nuthatch, Brown Creeper, Golden-crowned Kinglet, Purple Finch.)—Leon G. Ballance, William E. Bassnight, Willie G. Cahoon, John C. Fields, Bill Joyner, Bobby Powell, Bob Ross, Royston R. Rudolph (compiler), Robert L. Wolff.

207. **New London, N. C.** (all points within a 15-mile diameter circle, center 2 miles northwest of Badin, including High Rock Lake, Yadkin River, Badin Lake, Morrow Mountain State Park, Albemarle City Reservoir, Albemarle, New London, Badin; mixed deciduous woodland 25%, open fields and farmlands 27%, fresh-water ponds and lakeshores 25%, lakes and river 15%, marsh 3%, pine woods 2%, town suburbs 3%).—Dec. 31; 4:30 a.m. to 5:30 p.m. Cloudy; temp. 39° to 48°; wind NE, 4-5 m.p.h. Seventeen observers in 7 parties. Total party-hours, 40 (13 on foot, 27 by car); total party-miles, 298 (13 on foot, 285 by car). ► Great Blue Heron, 7; Canada Goose, 30; Mallard, 5; Black Duck, 4; Turkey Vulture, 3; Black Vulture, 2; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 2; Bald Eagle, 1; Marsh Hawk, 1; Sparrow Hawk, 9; Bobwhite, 58; Killdeer, 3; Common Snipe, 6; Ring-billed Gull, 89; Mourning Dove, 88; Belted Kingfisher, 5; Yellow-shafted Flicker, 19; Red-bellied Woodpecker, 4; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 4; Downy Woodpecker, 12; Eastern Phoebe, 1; Horned Lark, 25; Blue Jay, 34; Common Crow, 113; Carolina Chickadee, 66; Tufted Titmouse, 28; White-breasted Nuthatch, 8; Brown-headed Nuthatch, 5; Brown Creeper, 3; Winter Wren, 1; Carolina Wren, 36; Mockingbird, 25; Robin, 3; Hermit Thrush, 3; Eastern Bluebird, 100; Golden-crowned Kinglet, 8; Ruby-crowned Kinglet, 21; Water Pipit, 30; Loggerhead Shrike, 35; Starling, 272; Myrtle Warbler, 4; Pine Warbler, 5; House Sparrow, 189; Eastern Meadowlark, 470; Redwinged Blackbird, 9; Rusty Blackbird, 1; Cardinal, 112; Evening Grosbeak, 3; Purple Finch, 7; Pine Siskin, 3; Am. Goldfinch, 179; Rufous-sided Towhee, 9; Savannah Sparrow, 4; Vesper Sparrow, 3; Slate-colored Junco, 834; Chipping Sparrow, 2; Field Sparrow, 145; White-throated Sparrow, 150; Fox Sparrow, 3; Swamp Sparrow, 2; Song Sparrow, 48. **Total,** 65 species; about 3360 individuals. (Seen in area count period, but not on count day: Cedar Waxwing, Brown Thrasher.)—Mrs. Barrett Crook, C. M. Haithcock, Joseph R. Norwood, Mrs. Rebekah Norwood, John Trott (compiler), Mrs. John Whitlock.

208. **North Wilkesboro, N. C.** (all points within a 10-mile diameter circle, center North Wilkesboro, including portions of Reddies' and Yadkin River Valleys; town streets 10%, open fields 40%, woods 50%).—Dec. 29; 8:30 a.m. to 4:30 p.m. Clear; temp. 54° to 62°; wind W, 4-25 m.p.h. One observer. Total hours, 8 (7½ on foot, ½ by car); total miles, 17 (9 on foot, 8 by car). ► Black Duck, 1; Turkey Vulture, 1; Red-tailed Hawk, 1; Bobwhite, 13; Killdeer, 5; Mourning Dove, 170; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Red-bellied Woodpecker, 1; Downy Woodpecker, 3; Eastern Phoebe, 1; Blue Jay, 6; Common Crow, 76; Carolina Chickadee, 13; Tufted Titmouse, 7; White-breasted Nuthatch, 2; Winter Wren, 1; Carolina Wren, 17; Mockingbird, 3; Robin, 5; Hermit Thrush, 5; Eastern Bluebird, 10; Golden-crowned Kinglet, 2; Water Pipit, 6; Cedar Waxwing, 16; Starling, 28; Myrtle Warbler, 18; House Sparrow, 18; Eastern Meadowlark, 28; Rusty Blackbird, 3; Cardinal, 15; Purple Finch, 6; Am. Goldfinch, 12; Rufous-sided Towhee, 10; Slate-colored Junco, 26; Field Sparrow, 3; White-crowned Sparrow, 11; White-throated Sparrow, 43; Song Sparrow, 21. **Total,** 39 species; about 609 individuals. (Seen in area count period, but not on count day: Yellow-bellied Sapsucker.)—Wendell P. Smith.

209. **Wilmington, N. C.** (all points within a 15-mile diameter circle, center Myrtle Grove Junction, including Wrightsville Beach and Sound, Masonboro and Greenville Sounds, Winter Park, Cape Fear River, Greenfield Lake, Orton, Pleasant Oaks and Clarendon Plantations; mixed pine and deciduous woodland 40%, beach and salt marsh 35%, fresh-water ponds and river 20%, pasture 5%).—Dec. 27; 6 a.m. to 6 p.m. Overcast; temp. 33° to 59°; wind ENE, average 14 m.p.h. Eighteen observers in 9 parties. Total party-hours, 100 (54 on foot, 46 by car); total party-miles, 477 (64 on foot, 413 by car). ► Common Loon, 20 (very low); Red-throated Loon, 40; Horned Grebe, 31; Pied-billed Grebe, 32; Brown Pelican, 1; Gannet, 11; Double-crested Cormorant, 22; Great Blue Heron, 32; Little Blue Heron, 2; Common Egret, 75; Snowy Egret, 6; Louisiana Heron, 21; Black-crowned Night Heron, 2; Yellow-crowned Night Heron, 3; Canada Goose, 565; Mallard, 360; Black Duck, 117; Gadwall, 42; Pintail, 180; Green-winged Teal, **1000**; Blue-winged Teal, 3; Am. Widgeon, 72; Shoveler, 6; Wood Duck, 6; Redhead, 1; Ring-necked Duck, 4; Canvasback, 1; Lesser Scaup, 5; Bufflehead, 87; White-winged Scoter, 1; Surf Scoter, 1; Common Scoter, 32; Ruddy Duck, 7; Hooded Merganser, 38; Red-breasted Merganser, 81; Turkey Vulture, 1; Black Vulture, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 9; Marsh Hawk, 9; Pigeon Hawk, 2; Sparrow Hawk, 22; Bobwhite, 20; Clapper Rail, 6; Sora, 1; Common Gallinule, 1; Am. Coot, 133; Am. Oystercatcher, 31; Semipalmated Plover, 3; Piping Plover, 2; Killdeer, **295**; Black-bellied Plover, 103; Am. Woodcock, 4; Common Snipe, 5; **Spotted Sandpiper, 1** (now regular in winter); Willet, 43; Greater Yellowlegs, 63; Lesser Yellowlegs, 25; Knot, 2; **Purple Sandpiper, 1**; Least Sandpiper, 5; Dunlin, 450; Long-billed Dowitcher, 115; Semipalmated Sandpiper, 13; Western Sandpiper, 2; Sanderling, 64; Herring Gull, 646; Ring-billed Gull, 1407; Laughing Gull, 3; Bonaparte's Gull, 7; Forster's Tern, 56; Caspian Tern, 2; Mourning Dove, **752**; Barred Owl, 1; Belted Kingfisher, 23; Yellow-shafted Flicker, 51; Pileated Woodpecker, 2; Red-bellied Woodpecker, 34; Red-headed Woodpecker, 9; Yellow-bellied Sapsucker, 11; Hairy Woodpecker, 11; Downy Woodpecker, 17; Red-

cockaded Woodpecker, 7; Eastern Phoebe, 2; Blue Jay, 93; Common Crow, 103; Fish Crow, 42; Carolina Chickadee, 55; Tufted Titmouse, 58; White-breasted Nuthatch, 2; Brown-headed Nuthatch, 86; Brown Creeper, 3; House Wren, 9; Winter Wren, 5; Carolina Wren, 52; Long-billed Marsh Wren, 2; Mockingbird, 112; Catbird, 4; Brown Thrasher, 26; Robin, 680; Hermit Thrush, 10; Eastern Bluebird, 67; Blue-gray Gnatcatcher, 3; Golden-crowned Kinglet, 4; Ruby-crowned Kinglet, 18; Water Pipit, 154; Cedar Waxwing, 27; Loggerhead Shrike, 29; Starling, 624; White-eyed Vireo, 1 (R. H.); Myrtle Warbler, 430; Pine Warbler, 35; Palm Warbler, 1; Yellowthroat, 5; House Sparrow, 286; Eastern Meadowlark, 583; Redwinged Blackbird, 3918; **Baltimore Oriole, 2** (at feeder since early Dec.); Rusty Blackbird, 11; Boat-tailed Grackle, 159; Common Grackle, 45; Brown-headed Cowbird, 12; Cardinal, 84; Purple Finch, 33; Am. Goldfinch, 94; Rufous-sided Towhee, 115; Savannah Sparrow, 98; **Grasshopper Sparrow, 1** (all fields marks—G. M.); Henslow's Sparrow, 3; Sharp-tailed Sparrow, 10; Seaside Sparrow, 6; Vesper Sparrow, 138; **Bachman's Sparrow, 2** (M. B., P. M.); Slate-colored Junco, 294; Chipping Sparrow, 227; Field Sparrow, 73; White-throated Sparrow, 337; Fox Sparrow, 88; Swamp Sparrow, 170; Song Sparrow, 214. **Total,** 140 species; about 17,125 individuals. (Seen in area count period, but not on count day: Cattle Egret, Bald Eagle, Osprey.)—Mrs. Edna Appleberry (compiler), Cecil Appleberry, Maurice Barnhill, Mrs. E. E. Boegli, Clifford Comeau, Mrs. Betty Everson, Dr. and Mrs. Robert P. Holmes, Elizabeth Holmes, John Irvine, Jr., Bill James, Horace G. Loftin, Greg Massey, Mrs. Polly Mebane, Roxanna Mebane, John Trott, Mrs. Mary Urich, Mrs. Marie Vander Schalie.

210. Winston-Salem, N. C. (all points within a 15-mile diameter circle, center same as in previous years but excluding County Farm and including Yadkin River).—Jan. 1; 9 a.m. to 6 p.m. Heavy to light rain; temp. 32° to 34°; wind ENE, 0-5 m.p.h. Four observers in 1 party. Total party-hours, 9 (6 on foot, 3 by car); total party-miles, 25 (3 on foot, 22 by car). ► Pied-billed Grebe, 2; Canada Goose, 325; Mallard, 160; Black Duck, 3; Ring-necked Duck, 12; Canvasback, 2; Lesser Scaup, 2; Mourning Dove, 2; Yellow-shafted Flicker, 1; Downy Woodpecker, 2; Blue Jay, 10; Carolina Chickadee, 10; Tufted Titmouse, 5; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 1; Brown Creeper, 2; Carolina Wren, 2; Mockingbird, 8; Brown Thrasher, 1; Golden-crowned Kinglet, 8; Ruby-crowned Kinglet, 4; Cedar Waxwing, 13; Loggerhead Shrike, 1; Starling, 9; Pine Warbler, 1; House Sparrow, 15; Eastern Meadowlark, 1; Cardinal, 25; Purple Finch, 6; Am. Goldfinch, 10; Rufous-sided Towhee, 15; Slate-colored Junco, 225; Field Sparrow, 2; White-throated Sparrow, 49; Fox Sparrow, 10; Song Sparrow, 2. **Total,** 36 species; about 947 individuals.—L. Hartsell Cash, Dr. and Mrs. Merrill P. Spencer, Robert H. Witherington (compiler) (Winston-Salem Bird Club).

211. Aiken, S. C. (all points within a 15-mile diameter circle, center Aiken Training Track; swamps and ponds 40%, fields and pastures 25%, pine and hardwood forest 15%, pine woods 15%, suburbs 5%).—Dec. 31; 7 a.m. to 6:30 p.m. Overcast; temp. 41° to 57°; wind ENE, 3-14 m.p.h. Three observers in 1 party. Total party-hours, 11½ (10 on foot, 1½ by car); total party-miles, 80 (10 on foot, 70 by car). ► Pied-billed Grebe, 12; Wood Duck, 6; Ring-necked Duck, 9; scaup (sp.), 2; Hooded Merganser, 2; Red-breasted Merganser, 1; Turkey Vulture, 5; Black Vulture, 5; Red-tailed Hawk, 2; Pigeon Hawk, 1; Sparrow Hawk, 1; Am. Coot, 8; Mourning Dove, 2; Belted Kingfisher, 2; Yellow-shafted Flicker, 8; Red-bellied Woodpecker, 9; Red-headed Woodpecker, 3; Hairy Woodpecker, 4; Downy Woodpecker, 9; Red-cockaded Woodpecker, 3; Eastern Phoebe, 5; Horned Lark, 2; Blue Jay, 37; Common Crow, 7; Carolina Chickadee, 6; Tufted Titmouse, 3; White-breasted Nuthatch, 3; Brown-headed Nuthatch, 10; Carolina Wren, 14; Mockingbird, 16; Brown Thrasher, 3; Robin, 12; Hermit Thrush, 1; Eastern Bluebird, 31; Golden-crowned Kinglet, 4; Ruby-crowned Kinglet, 14; Water Pipit, 1; Cedar Waxwing, 70; Loggerhead Shrike, 8; Starling, 10,321; Myrtle Warbler, 8; Pine Warbler, 10; Yellowthroat, 2; House Sparrow, 81; Eastern Meadowlark, 30; Redwinged Blackbird, 459; Rusty Blackbird, 135; Common Grackle, 1100; Brown-headed Cowbird, 6120; Cardinal, 29; Purple Finch, 136; Am. Goldfinch, 39; Rufous-sided Towhee, 26; Savannah Sparrow, 20; Vesper Sparrow, 35; Slate-colored Junco, 9; Chipping Sparrow, 50; Field Sparrow, 16; White-throated Sparrow, 48; Fox Sparrow, 4; Swamp Sparrow, 28; Song Sparrow, 16. **Total,** 62 species; about 19,063 individuals.—David Elwonger, John B. Hatcher, William Post, Jr. (compiler).

212. Charleston, S. C. (all points within a 15-mile diameter circle, center on Route 17, 14.5 miles N of Mt. Pleasant; includes most of Bulls Island, adjacent waters and marshes, mainland opposite, back beyond Wando River, as in preceding years).—Dec. 29; 7 a.m. to 4:45 p.m. Overcast; temp. 46° to 55°; wind W to NW, 5-15 m.p.h. Twenty observers in 6 parties. Total party-hours, 48 (31 on foot, 15½ by car, 1½ by boat); total party-miles, 209 (56 on foot, 149 by car, 4 by boat). ► Common Loon, 4; Horned Grebe, 47; Pied-billed Grebe, 33; Brown Pelican, 5; Double-crested Cormorant, 33; Great Blue Heron, 44; Little Blue Heron, 25; Common Egret, 28; Snowy Egret, 17; Louisiana Heron, 27; Black-crowned Night Heron, 12; Am. Bittern, 3; **White Ibis, 8** (4 observers); Mallard, 181; Black Duck, 832; Gadwall, 213; Pintail, 294; Green-winged Teal, 191; Blue-winged Teal, 30; Am. Widgeon, 300; Shoveler, 300; Wood Duck, 5; Redhead, 1; Ring-necked Duck, 114; Canvasback, 23; Lesser Scaup, 474; Common Goldeneye, 3; Bufflehead, 86; Oldsquaw, 1; Common Scoter, 100; Ruddy Duck, 128; Hooded Merganser, 14; Red-breasted Merganser, 16; Turkey Vulture, 31; Black Vulture, 26; Sharp-shinned Hawk, 2; Cooper's Hawk, 4; Red-tailed Hawk, 7; Red-shouldered Hawk, 5; Bald Eagle, 4; Marsh Hawk, 7; Pigeon Hawk, 1;

Sparrow Hawk, 10; Bobwhite, 12; Clapper Rail, 24; Common Gallinule, 20; Am. Coot, 1100+; Am. Oystercatcher, 80; Semipalmated Plover, 7; Killdeer, 17; Black-bellied Plover, 5; Ruddy Turnstone, 8; Am. Woodcock, 5; Common Snipe, 2; Spotted Sandpiper, 2; Willet, 10; Greater Yellowlegs, 35; Lesser Yellowlegs, 1; Dunlin, 500+; dowitcher (sp.), 24; Semipalmated Sandpiper, 50; Western Sandpiper, 20; Sanderling, 5; Herring Gull, 22; Ring-billed Gull, 195; Laughing Gull, 1; Bonaparte's Gull, 1; Forster's Tern, 1; Common Tern, 2; Caspian Tern, 1; Mourning Dove, 204; Ground Dove, 6; Screech Owl, 1; Barred Owl, 1; Belted Kingfisher, 15; Yellow-shafted Flicker, 65; Pileated Woodpecker, 28; Red-bellied Woodpecker, 72; Red-headed Woodpecker, 9; Yellow-bellied Sapsucker, 41; Hairy Woodpecker, 3; Downy Woodpecker, 20; Red-cockaded Woodpecker, 12; Eastern Phoebe, 5; Blue Jay, 32; Common Crow, 105; Fish Crow, 11; Carolina Chickadee, 46; Tufted Titmouse, 43; White-breasted Nuthatch, 1; Brown-headed Nuthatch, 34; Brown Creeper, 4; House Wren, 10; Winter Wren, 10; Carolina Wren, 40; Short-billed Marsh Wren, 1; Mockingbird, 18; Catbird, 4; Brown Thrasher, 14; Robin, 170; Hermit Thrush, 9; **Wood Thrush, 1** (close range—E. A. C.); Eastern Bluebird, 12; Blue-gray Gnatcatcher, 2; Golden-crowned Kinglet, 5; Ruby-crowned Kinglet, 82; Water Pipit, 104; Cedar Waxwing, 22; Loggerhead Shrike, 20; Starling, 263; White-eyed Vireo, 3; Solitary Vireo, 3; Black-and-white Warbler, 1; Orange-crowned Warbler, 2; Myrtle Warbler, 736; Yellow-throated Warbler, 4; Pine Warbler, 33; Yellowthroat, 7; Eastern Meadowlark, 62; Redwinged Blackbird, 1186+; Rusty Blackbird, 200; Boat-tailed Grackle, 313; Common Grackle, 258; Cardinal, 70; Purple Finch, 21; Am. Goldfinch, 40; Rufous-sided Towhee, 135; Savannah Sparrow, 15; Sharp-tailed Sparrow, 15; Seaside Sparrow, 47; Vesper Sparrow, 25; Bachman's Sparrow, 1; Slate-colored Junco, 260; Chipping Sparrow, 94; Field Sparrow, 21; White-throated Sparrow, 336; Fox Sparrow, 3; Swamp Sparrow, 60; Song Sparrow, 107. **Total,** 139 species; about 11,442 individuals. As usual, Cape Romain Refuge personnel rendered invaluable aid.—R. E. Baker, Mr. and Mrs. Francis Barrington, E. L. Blitch, E. B. Chamberlain (compiler), Mr. and Mrs. R. H. Coleman, E. A. Cutts, J. H. Dick, E. S. Dingle, R. D. Edwards, R. L. Edwards, J. M. Horlbeck, Peter Manigault, I. S. Metcalf, Ann W. Richardson, Thomas Uzzell, Mr. and Mrs. A. M. Wilcox, E. A. Williams (Charleston Natural History Society and guests).

213. **Clemson, S. C.** (all points within a 15-mile diameter circle, center on Southern Railroad station in Clemson, including most of Clemson College campus, Issaqueena Lake, Keowee and Little Rivers, Clemson, La France, Norris, Seneca; open farmland 30%, deciduous woodland 5%, pine woodland 10%, mixed woodland 45%, towns 6%, lake, ponds, rivers 4%).—Dec. 20; 5:30 a.m. to 5:30 p.m. Clear; temp. 36° to 65°; winds S to W, 0-45 m.p.h.; water open, trace of snow in shaded areas. Fourteen observers in 8 parties. Total party-hours, 44 (16 on foot, 28 by car); total party-miles, 300 (15 on foot, 285 by car). ► Pied-billed Grebe, 3; Canada Goose, 16; Mallard, 202; Black Duck, 62; Wood Duck, 7; Ring-necked Duck, 75; Turkey Vulture, 40; Black Vulture, 13; Sharp-shinned Hawk, 4; Red-tailed Hawk, 4; Marsh Hawk, 3; Sparrow Hawk, 6; Bobwhite, 26; Am. Coot, 1; Killdeer, 9; Mourning Dove, 500+; Screech Owl, 3; Great Horned Owl, 1; Barred Owl, 1; **Long-eared Owl, 1** (J. M., R. P.); Belted Kingfisher, 1; Yellow-shafted Flicker, 35; Pileated Woodpecker, 3; Red-bellied Woodpecker, 13; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 6; Downy Woodpecker, 14; Eastern Phoebe, 1; **Horned Lark, 20+** (carefully studied at 20 ft.—R. P., J. M.); Blue Jay, 126; Common Crow, 178; Carolina Chickadee, 145; Tufted Titmouse, 125; White-breasted Nuthatch, 1; Brown-headed Nuthatch, 10; Brown Creeper, 2; House Wren, 1; Winter Wren, 3; Carolina Wren, 35; Mockingbird, 186; Brown Thrasher, 14; Robin, 52; Hermit Thrush, 1; Eastern Bluebird, 109; Golden-crowned Kinglet, 12; Ruby-crowned Kinglet, 30; Water Pipit, 37; Cedar Waxwing, 170; Loggerhead Shrike, 33; Starling, **150,000+**; Myrtle Warbler, 14; Pine Warbler, 5; House Sparrow, 157; Eastern Meadowlark, 331; Redwinged Blackbird, **440,000+**; Rusty Blackbird, **40,000+**; Common Grackle, 8000+; Brown-headed Cowbird, 10,000+; Cardinal, 167; **Indigo Bunting, 1** (male—R. G., R. S.); Purple Finch, 21; Am. Goldfinch, 359; Rufous-sided Towhee, 134; Savannah Sparrow, 62; Vesper Sparrow, 100+; Slate-colored Junco, 197; Chipping Sparrow, 6; Field Sparrow, 125; **White-crowned Sparrow, 1** (R. P.); White-throated Sparrow, 821; Fox Sparrow, 2; Swamp Sparrow, 160; Song Sparrow, 118. **Total,** 74 species; about 653,129 individuals. —Mr. and Mrs. Gaston Gage, Robert Gooding, Dr. and Mrs. J. H. Hobson, Mrs. Frank Howard, Mrs. Frank Jervey, Mrs. W. L. Lowry, Mr. and Mrs. Charles McGee, Jack McGee, R. H. Peake, Jr. (compiler), R. D. Shipman, R. E. Ware (Clemson Bird Club).

214. **Columbia, S. C.** (all points within a 15-mile diameter circle, center Columbia as last year; deciduous river and creek swamps 33%, pine woods 15%, open fields 20%, lake shores 12%, urban 20%).—Dec. 27; 6:45 a.m. to 4:30 p.m. Cloudy to steady light rain; temp. 34° to 47°; wind NE, 5 m.p.h. Eleven observers in 5 parties. Total party-hours, 32 (25 on foot, 7 by car); total party-miles, 135 (30 on foot, 105 by car). ► Pied-billed Grebe, 6; Great Blue Heron, 3; Mallard, 2; Ring-necked Duck, 80; Turkey Vulture, 5; Black Vulture, 7; Red-tailed Hawk, 4; Red-shouldered Hawk, 5; Marsh Hawk, 2; Sparrow Hawk, 7; Bobwhite, 15; Killdeer, 12; Herring Gull, 24; Ring-billed Gull, 260; Mourning Dove, 122; Belted Kingfisher, 2; Yellow-shafted Flicker, 44; Pileated Woodpecker, 2; Red-bellied Woodpecker, 13; Red-headed Woodpecker, 6; Yellow-bellied Sapsucker, 6; Hairy Woodpecker, 4; Downy Woodpecker, 5; Eastern Phoebe, 5; Blue Jay, 118; Common Crow, 84; Carolina Chickadee, 30; Tufted Titmouse, 42; Brown-headed Nuthatch, 19; Brown Creeper, 3; Carolina Wren, 28; Mockingbird,

36; Brown Thrasher, 37; Robin, 38; Hermit Thrush, 9; Eastern Bluebird, 56; Golden-crowned Kinglet, 6; Ruby-crowned Kinglet, 59; Cedar Waxwing, 40; Loggerhead Shrike, 13; Starling, 4375; Myrtle Warbler, 1; Pine Warbler, 60; House Sparrow, 645; Eastern Meadowlark, 879; Red-winged Blackbird, 50,452; Rusty Blackbird, 415; Common Grackle, 114; Brown-headed Cowbird, 8024; Cardinal, 169; Purple Finch, 4; Am. Goldfinch, 63; Rufous-sided Towhee, 128; Vesper Sparrow, 17; Slate-colored Junco, 102; Chipping Sparrow, 138; Field Sparrow, 360; White-throated Sparrow, 806; Fox Sparrow, 2; Swamp Sparrow, 3; Song Sparrow, 125. **Total,** 61 species; about 68,141 individuals.—Gilbert Bristow (compiler), Gordon Brown, Mrs. S. E. Hartin, Jimmy Hartin, Mrs. P. B. Hendrix, Mary Nell Koon, David Monteith, Jr., Edmund Robinson, Fred Sample, Charles Simons, Mrs. Clyde Sisson.

215. Eastover, S. C. (all points within a 15-mile diameter circle, center Eastover as in former years; cultivated fields 33%, pasture 33%, residential 10%, deciduous and pine woods 14%, swampy areas around ponds 10%).—Dec. 31; 7 a.m. to 5 p.m. Cloudy to heavy fog; temp. 46° to 60°; wind NE, 6 m.p.h. Two observers in 1 party. Total party-hours, 8 (1 on foot, 7 by car); total party-miles, 25 (1 on foot, 24 by car). ► Pied-billed Grebe, 6; Wood Duck, 2; Ring-necked Duck, 37; Turkey Vulture, 1; Black Vulture, 9; Cooper's Hawk, 1; Red-tailed Hawk, 1; Marsh Hawk, 3; Sparrow Hawk, 2; Bobwhite, 19; Killdeer, 3; Mourning Dove, 3; Barred Owl, 1; Yellow-shafted Flicker, 4; Pileated Woodpecker, 1; Red-bellied Woodpecker, 3; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 3; Eastern Phoebe, 2; Blue Jay, 18; Common Crow, 8; Carolina Chickadee, 8; Tufted Titmouse, 5; White-breasted Nuthatch, 3; Brown-headed Nuthatch, 9; Brown Creeper, 1; Carolina Wren, 5; Mockingbird, 6; Brown Thrasher, 1; Robin, 9; Hermit Thrush, 2; Eastern Bluebird, 9; Ruby-crowned Kinglet, 11; Water Pipit, 55; Cedar Waxwing, 46; Loggerhead Shrike, 10; Starling, 89; Myrtle Warbler, 1; Pine Warbler, 8; Palm Warbler, 1; House Sparrow, 155; Eastern Meadowlark, 46; Redwinged Blackbird, 300; Rusty Blackbird, 500; Common Grackle, 10; Brown-headed Cowbird, 100; Cardinal, 29; Am. Goldfinch, 2; Rufous-sided Towhee, 14; Vesper Sparrow, 2; Slate-colored Junco, 63; White-throated Sparrow, 55; Swamp Sparrow, 4; Song Sparrow, 7. **Total,** 55 species; about 1696 individuals.—Mrs. W. H. Faver (compiler), Mrs. Clyde Sisson.

216. Santee National Wildlife Refuge, S. C. (all points within a 15-mile diameter circle, center on road crossing Taw Caw Creek 2¾ miles south of Davis Crossroads; includes most of Clarendon County portions of Santee Refuge and vicinity; pasture, open fields 20%, town suburbs 10%, marsh, swamp, water edge 40%, mixed hardwood and pine 30%).—Dec. 30; 8 a.m. to 5 p.m.; temp. 68° to 45°; wind NW, 2-3 m.p.h. Five observers in 4 parties. Total party-hours, 40 (10 on foot, 30 by car); total party-miles, 120 (10 on foot, 110 by car). ► Horned Grebe, 2; Pied-billed Grebe, 21; Anhinga, 1; Great Blue Heron, 42; Common Egret, 62; Snowy Egret, 2; Am. Bittern, 1; Canada Goose, 7954; Snow Goose, 2; Blue Goose, 10; Mallard, 12,345; Black Duck, 148; Gadwall, 966; Pintail, 87; Green-winged Teal, 151; Blue-winged Teal, 1; Am. Widgeon, 525; Shoveler, 109; Wood Duck, 110; Ring-necked Duck, 8; Turkey Vulture, 34; Black Vulture, 19; Cooper's Hawk, 6; Red-tailed Hawk, 11; Red-shouldered Hawk, 1; Bald Eagle, 3; Marsh Hawk, 26; Sparrow Hawk, 24; Bobwhite, 80; Am. Coot, 6248; Killdeer, 126; Common Snipe, 34; Herring Gull, 32; Ring-billed Gull, 51; Mourning Dove, 321; Belted Kingfisher, 13; Yellow-shafted Flicker, 22; Pileated Woodpecker, 3; Red-bellied Woodpecker, 10; Red-headed Woodpecker, 23; Yellow-bellied Sapsucker, 9; Hairy Woodpecker, 7; Downy Woodpecker, 9; Red-cockaded Woodpecker, 3; Eastern Phoebe, 12; Blue Jay, 254; Common Crow, 55; Fish Crow, 2; Carolina Chickadee, 24; Tufted Titmouse, 9; Red-breasted Nuthatch, 1; Brown-headed Nuthatch, 2; House Wren, 1; Carolina Wren, 36; Mockingbird, 62; Catbird, 1; Brown Thrasher, 36; Robin, 1; Hermit Thrush, 10; Eastern Bluebird, 14; Ruby-crowned Kinglet, 155; Water Pipit, 182; Loggerhead Shrike, 103; Starling, 48; Myrtle Warbler, 66; Pine Warbler, 13; Palm Warbler, 6; House Sparrow, 17; Eastern Meadowlark, 370; Redwinged Blackbird, 4439; Common Grackle, 385; Brown-headed Cowbird, 20; Cardinal, 354; Purple Finch, 12; Rufous-sided Towhee, 45; Savannah Sparrow, 34; Vesper Sparrow, 18; Slate-colored Junco, 312; Chipping Sparrow, 57; Field Sparrow, 61; White-throated Sparrow, 190; Fox Sparrow, 6; Swamp Sparrow, 4; Song Sparrow, 115. **Total,** 84 species; about 37,194 individuals. [The following species reported without details and not even underlined as unusual were removed from the list by the editor: Eastern Kingbird, 4; Parula Warbler, 2; Ovenbird, 4; Am. Redstart, 2; Orchard Oriole, 7; Baltimore Oriole, 7; Grasshopper Sparrow, 17.]—G. J. Bristow, G. H. Brown, Mrs. J. A. Burgess, L. DuBose, W. A. Reid (compiler).

217. Atlanta, Ga. (all points within a 15-mile diameter circle, center at State Capitol Building; fields 20%, ponds and streams 20%, parks 10%, mixed woods 35%, marsh 5%, residential 5%, roadsides 5%).—Dec. 21; 7:30 a.m. to 5:30 p.m.; temp. 28° to 40°; wind 0-5 m.p.h. Twenty-three observers in 7 parties. Total party-hours, 70 (50 on foot, 20 by car); total party-miles, 185 (130 on foot, 55 by car). ► Pied-billed Grebe, 12; **Gadwall, 1**; Ring-necked Duck, 2; **Oldsquaw, 1** (present since Dec. 7); Turkey Vulture, 2; Cooper's Hawk, 5; Red-tailed Hawk, 3; Red-shouldered Hawk, 4; Sparrow Hawk, 12; Bobwhite, 24 (3 coveys); Am. Coot, 26; Killdeer, 132; Common Snipe, 6; Mourning Dove, 126; Great Horned Owl, 2; Belted Kingfisher, 10; Yellow-shafted Flicker, 52; Pileated Woodpecker, 8; Red-bellied Woodpecker, 16; Red-headed Woodpecker, 12; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 5; Downy Woodpecker, 60; Eastern Phoebe, 6; Horned Lark, 6; Blue Jay, 65; Common Crow, 250; Carolina Chickadee, 56; Tufted Titmouse,

65; White-breasted Nuthatch, 32; Brown-headed Nuthatch, 10; Brown Creeper, 8; Winter Wren, 2; Bewick's Wren, 1; Carolina Wren, 28; Mockingbird, 36; Brown Thrasher, 8; Robin, 18; Hermit Thrush, 5; Eastern Bluebird, 50; Golden-crowned Kinglet, 12; Ruby-crowned Kinglet, 16; Water Pipit, 150; Cedar Waxwing, 300; Loggerhead Shrike, 4; Starling, 5000; **Orange-crowned Warbler, 1**; Myrtle Warbler, 60; Pine Warbler, 8; Palm Warbler, 3; Yellowthroat, 1; House Sparrow, 50; Eastern Meadowlark, 200; Redwinged Blackbird, 450; Rusty Blackbird, 8; Common Grackle, 300; Brown-headed Cowbird, 35; Cardinal, 80; Purple Finch, 20; Am. Goldfinch, 250; Rufous-sided Towhee, 50; Savannah Sparrow, 18; Vesper Sparrow, 8; Slate-colored Junco, 400; Chipping Sparrow, 250; Field Sparrow, 150; White-throated Sparrow, 300; Fox Sparrow, 18; Swamp Sparrow, 200; Song Sparrow, 300. **Total,** 70 species; about 9814 individuals.—Sam Austin, Glenn Bell, Ed Collum, Jimmy Cook, Alma Cook, Mrs. Evelyn Crawford, Sandy Crawford, Wallace D. Dreyfoos, Louis C. Fink, Rufus B. Godwin (compiler), Mrs. Lewis Gordon, William W. Griffin, Mr. and Mrs. Hill, Craig Hill, Ed Lamb, A. J. Murphy, Richard A. Parks, Harold S. Peters, Harry Price, Mrs. Margaret M. Roddy, Drury Simpson, Ray C. Werner (Atlanta Bird Club).

218. **Columbus, Ga.** (all points within a 15-mile diameter circle, center 5 miles north of Courthouse, including new area out Whitesville Road at Harris County line; pinelands 45%, mixed woods 10%, pastures 5%, river lowlands cleared for lake-to-be 10%, parks and airport 15%, creek and pond edges 10%, feeders 5%).—Dec. 28; 7 a.m. to 7 p.m. Wet after rain, clear; temp. 41° to 54°; wind WNW, 2-25 m.p.h. Five observers in 4 parties. Total party-hours, 40 (32 on foot, 8 by car); total party-miles, 140 (25 on foot, 115 by car). ► Pied-billed Grebe, 1; Great Blue Heron, 2; Mallard, 5; Wood Duck, 4; Turkey Vulture, 7; Black Vulture, 2; Sharp-shinned Hawk, 1; Red-shouldered Hawk, 1; Marsh Hawk, 2; **Pigeon Hawk, 1**; Sparrow Hawk, 1; Bobwhite, 35; Killdeer, 21; Mourning Dove, 131; Great Horned Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 21; Pileated Woodpecker, 3; Red-bellied Woodpecker, 12; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 7; Blue Jay, 43; Common Crow, 30; Carolina Chickadee, 2; Tufted Titmouse, 14; Brown-headed Nuthatch, 14; Brown Creeper, 1; Carolina Wren, 16; Mockingbird, 13; Brown Thrasher, 8; Hermit Thrush, 2; Eastern Bluebird, 8; Ruby-crowned Kinglet, 14; Cedar Waxwing, 56; Loggerhead Shrike, 3; Starling, 75; Myrtle Warbler, 20; Pine Warbler, 29; Yellowthroat, 1; House Sparrow, 53; Eastern Meadowlark, 133; Redwinged Blackbird, 60; Cardinal, 38; Am. Goldfinch, 6; Rufous-sided Towhee, 72; Savannah Sparrow, 150; Slate-colored Junco, 54; Chipping Sparrow, 111; Field Sparrow, 35; White-throated Sparrow, 131; Fox Sparrow, 4; Swamp Sparrow, 9; Song Sparrow, 16. **Total,** 55 species; about 1488 individuals. (Seen in area count period, but not on count day: Greater Scaup, Herring Gull, **Ground Dove,** Red-cockaded Woodpecker, Robin, **Orange-crowned Warbler.**)—Earle B. Hunter, Florence Lynn, Rebekah Patrick, Martha L. Watson, L. A. Wells (compiler).

219. **Dalton, Ga.** (all points within a 15-mile diameter circle, center 2 miles north of Dalton on Highway 71 as in preceding years; mixed woods 15%, fields, pastures 15%, ponds, streams 20%, roadside 50%).—Jan. 1; 6:45 a.m. to 6 p.m. Rain till noon, drizzled thereafter; temp. 39° to 45°; wind S, 15-0 m.p.h. Thirteen observers in 5 parties. Total party-hours, 25 (5 on foot, 18 by car, 2 at feeders); total party-miles, 150 (19 on foot, 131 by car). ► Great Blue Heron, 1; Canada Goose, 9; Hooded Merganser, 2; Turkey Vulture, 1; Cooper's Hawk, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 2; Marsh Hawk, 2; Killdeer, 32; Mourning Dove, 62; Screech Owl, 2; Belted Kingfisher, 4; Yellow-shafted Flicker, 13; Pileated Woodpecker, 3; Red-bellied Woodpecker, 14; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 3; Downy Woodpecker, 5; Eastern Phoebe, 4; Blue Jay, 45; Common Crow, 163; Carolina Chickadee, 46; Tufted Titmouse, 29; White-breasted Nuthatch, 1; Brown Creeper, 1; Winter Wren, 1; Bewick's Wren, 2; Carolina Wren, 17; Mockingbird, 24; Brown Thrasher, 7; Robin, 15; Eastern Bluebird, 70; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 2; Loggerhead Shrike, 4; Starling, 2341; Myrtle Warbler, 1; Pine Warbler, 1; House Sparrow, 22; Eastern Meadowlark, 309; Redwinged Blackbird, 12; Rusty Blackbird, 7151; Common Grackle, 9; Brown-headed Cowbird, 12; Cardinal, 94; Am. Goldfinch, 272; Rufous-sided Towhee, 52; Savannah Sparrow, 3; Vesper Sparrow, 24; Slate-colored Junco, 137; Chipping Sparrow, 43; Field Sparrow, 87; White-throated Sparrow, 113; Fox Sparrow, 2; Swamp Sparrow, 8; Song Sparrow, 41. **Total,** 56 species; about 11,326 individuals. (Seen in area count period, but not on count day: Lesser Scaup, Bobwhite, Cedar Waxwing, Purple Finch.)—J. K. Bassett, Mrs. Clayton Boyles, Chloe Cox, Mrs. R. E. Hamilton (compiler), Mrs. Sibyl Kerr, Mrs. Hermon King, J. W. Leach, Mrs. H. J. Longley, Warren Martin, Mike Mullinax, Mrs. F. M. Munn, Douglas Puryear, Mrs. Julian Sapp.

220. **Okefenokee National Wildlife Refuge, Ga.** (all points within a 15-mile diameter circle, center on Trail Ridge about 4 miles north of Camp Cornelia, northward to Durden Landing, eastward to St. Marys River and including Folkston, southward to include Chesser Island and Chesser Prairie, westward to forks of Suwannee Canal and including Chase Prairie; water courses 10, swamp prairies 30%, open fields and field borders 25%, pine barrens 15%, urban 10%, deciduous forest riverbottom 10%).—Dec. 20; 7 a.m. to 5 p.m. Partly cloudy; temp. 39° to 71°; wind 0-10 m.p.h.; water level in Okefenokee Swamp low, Camp Cornelia gage reading 119.86. Eleven observers in 5 parties. Total party-hours, 42 (32 on foot, 2 by car, 8 by boat); total party-miles, 93 (21 on foot, 60 by car, 12 by boat). ► Pied-billed Grebe, 1; Anhinga, 24; Great Blue Heron, 14; Common Egret,

89; Yellow-crowned Night Heron, 12; Am. Bittern, 7; **Wood Ibis, 8** (3 parties); **White Ibis, 542**; **Blue Goose, 2** (identification certain—E. C., R. J.); Mallard, 500; Black Duck, 71; Pintail, 33; Green-winged Teal, 5; Blue-winged Teal, 2; Wood Duck, 22; Bufflehead, 1; Hooded Merganser, 21; Turkey Vulture, 75; Black Vulture, 20; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 1; Red-shouldered Hawk, 23; **Golden Eagle, 1** (I. T., R. M.); Marsh Hawk, 3; Sparrow Hawk, 8; Bobwhite, 16; Sandhill Crane, 216; Am. Coot, 5; Killdeer, 137; Am. Woodcock, 1; Common Snipe, 175; Mourning Dove, 24; Ground Dove, 3; Barred Owl, 2; Belted Kingfisher, 15; Yellow-shafted Flicker, 19; Pileated Woodpecker, 14; Red-bellied Woodpecker, 23; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 2; Downy Woodpecker, 4; Red-cockaded Woodpecker, 3; Eastern Phoebe, 36; Tree Swallow, 13; Blue Jay, 25; Common Crow, 17; Tufted Titmouse, 3; Brown-headed Nuthatch, 17; House Wren, 3; Carolina Wren, 13; Short-billed Marsh Wren, 2; Mockingbird, 24; Catbird, 10; Robin, 5000; Hermit Thrush, 2; Eastern Bluebird, 19; Ruby-crowned Kinglet, 4; Water Pipit, 53; Cedar Waxwing, 31; Loggerhead Shrike, 7; Starling, 12; Myrtle Warbler, 90; Pine Warbler, 3; Yellowthroat, 3; Eastern Meadowlark, 45; Redwinged Blackbird, 1000; Common Grackle, 5; Cardinal, 19; Purple Finch, 4; Am. Goldfinch, 100; Rufous-sided Towhee, 20; Savannah Sparrow, 1; **Henslow's Sparrow, 2** (S. G.); Vesper Sparrow, 17; Bachman's Sparrow, 1; Chipping Sparrow, 51; Field Sparrow, 8; White-throated Sparrow, 23; Swamp Sparrow, 10; Song Sparrow, 5. **Total,** 82 species; about 8851 individuals.—Eugene Cypert (compiler), Mary Louise Cypert, Ronald Derringer, Samuel A. Grimes, Lois Groszmann, Raymond Johnson, Roy Moore, Jane Park, Margaret Scott, Ivan Tomkins, Jane Whiteman (Okefenokee Bird Club).

221. Rome, Ga. (all points within a 15-mile diameter circle, center at Second and Broad Streets, including Jones Lake, Wax Lake, Darlington School, Rome Nature Park, Berry Schools, Russell Airport; pasture and stubble 25%, pine woods 40%, deciduous woods 15%, lake shore 10%, town suburbs 10%).—Dec. 28; 8 a.m. to 5 p.m. Cloudy, intermittent misty rain; temp. 41° to 50°; wind NW, very light. Fourteen observers in 6 parties. Total party-hours, 44 (27 on foot, 17 by car); total party-miles, 194 (31 on foot, 163 by car). ► Pied-billed Grebe, 77; Gadwall, 8; Blue-winged Teal, 1; Am. Widgeon, 9; Ring-necked Duck, 161; Canvasback, 4; Lesser Scaup, 11; Common Goldeneye, 1; Bufflehead, 1; Ruddy Duck, 14; Hooded Merganser, 1; Turkey Vulture, 11; Black Vulture, 3; Red-tailed Hawk, 3; Red-shouldered Hawk, 1; **Broad-winged Hawk, 1** (observed 2 weeks—B. M.); Marsh Hawk, 3; Sparrow Hawk, 2; Bobwhite, 14; Am. Coot, 73; Killdeer, 27; Common Snipe, 1; Mourning Dove, 964; Barred Owl, 1; Belted Kingfisher, 6; Yellow-shafted Flicker, 36; Pileated Woodpecker, 2; Red-bellied Woodpecker, 8; Yellow-bellied Sapsucker, 9; Hairy Woodpecker, 3; Downy Woodpecker, 6; Eastern Phoebe, 1; Horned Lark, 10; Blue Jay, 107; Common Crow, 3850; Carolina Chickadee, 59; Tufted Titmouse, 26; White-breasted Nuthatch, 2; Brown Creeper, 4; Winter Wren, 1; Carolina Wren, 15; Mockingbird, 101; Brown Thrasher, 6; Robin, 58; Eastern Bluebird, 41; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 7; Cedar Waxwing, 18; Loggerhead Shrike, 13; Starling, 455; Myrtle Warbler, 5; Pine Warbler, 12; Yellowthroat, 1; House Sparrow, 387; Eastern Meadowlark, 849; Redwinged Blackbird, **45,250**; Rusty Blackbird, **45,300**; Brewer's Blackbird, **10,050**; Common Grackle, 6; Brown-headed Cowbird, 3; Cardinal, 182; Purple Finch, 6; Pine Siskin, 1; Am. Goldfinch, 507; Rufous-sided Towhee, 111; Savannah Sparrow, 36; Slate-colored Junco, 331; Chipping Sparrow, 62; Field Sparrow, 478; White-throated Sparrow, 252; Fox Sparrow, 9; Swamp Sparrow, 9; Song Sparrow, 42. **Total,** 73 species; about 110,127 individuals. (Seen in area count period, but not on count day: Hermit Thrush.)—H. Gordon Anderson, George Bosworth, Julian T. Darlington, George A. Dorsey (compiler), Mrs. Wright King, C. E. Lovett, Wilson D. Lovett, Richard H. Lux, Ben L. Maulsby, Louise Nunnally, H. A. Olsen, George G. Poulsen, Mrs. Harlan Starr, Mrs. Alta Stevens (Floyd County Audubon Society).

221A. Sapelo Island, Ga. (all points within a 15-mile diameter circle, center on Sapelo Island, 14 miles long and 3 miles wide, separated from mainland by extensive estuaries and salt marshes; fresh-water ponds and marshes 20%, ocean beach 20%, habitation grounds 20%; salt marshes and estuaries 10%, oak forest 10%, pine forest 10%, open fields and pastures 10%).—Jan. 1; 7 a.m. to 6 p.m. Rain most of day; temp. 40° to 55°; wind SW, 10 m.p.h. Three observers in 1 party. Total party-hours, 11 (6 on foot, 5 by car and boat); total party-miles, 40 (5 on foot, 35 by car and boat). ► Horned Grebe, 2; Pied-billed Grebe, 1; Brown Pelican, 1; Double-crested Cormorant, 84; Great Blue Heron, 11; Little Blue Heron, 2; Common Egret, 28; Snowy Egret, 2; Louisiana Heron, 4; Black-crowned Night Heron, 2; Mallard, 30; Black Duck, 23; Gadwall, 4; Am. Widgeon, 15; Ring-necked Duck, 32; Canvasback, 4; Lesser Scaup, 60; Bufflehead, 14; Ruddy Duck, 6; Hooded Merganser, 39; Red-breasted Merganser, 4; Black Vulture, 1; Red-tailed Hawk, 3; Marsh Hawk, 1; Sparrow Hawk, 5; **Chachalaca, 4** (introduced 30 years ago, stable population since); Turkey, 33; Clapper Rail, 12; Virginia Rail, 1; Common Gallinule, 25; Am. Coot, 100; Am. Oystercatcher, 29; Semipalmated Plover, 46; Piping Plover, 2; Killdeer, 8; Black-bellied Plover, 2; Ruddy Turnstone, 8; Am. Woodcock, 1; Common Snipe, 2; Spotted Sandpiper, 2; Least Sandpiper, 3; Dunlin, 60; Semipalmated Sandpiper, 14; Western Sandpiper, 2; **Marbled Godwit, 2**; Sanderling, 60; Herring Gull, 35; Ring-billed Gull, 45; Laughing Gull, 2; Bonaparte's Gull, 1; Forster's Tern, 500; Common Tern, **8**; Royal Tern, 9; Caspian Tern, 5; Black Skimmer, 45; Mourning Dove, 7; Great Horned Owl, 2; Belted Kingfisher, 5; Yellow-shafted Flicker, 4; Pileated Woodpecker, 12; Red-bellied Woodpecker, 7; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 1; Eastern

Phoebe, 3; Tree Swallow, 30; Common Crow, 35; Carolina Chickadee, 17; Brown-headed Nuthatch, 2; House Wren, 5; **Bewick's Wren, 2** (E. O.); Carolina Wren, 14; Long-billed Marsh Wren, 8; Mockingbird, 5; Catbird, 1; Brown Thrasher, 3; Hermit Thrush, 2; Eastern Bluebird, 30; Ruby-crowned Kinglet, 12; Loggerhead Shrike, 3; Starling, 17; Solitary Vireo, 1; Orange-crowned Warbler, 1; Myrtle Warbler, 260; Pine Warbler, 14; Palm Warbler, 12; Yellowthroat, 3; House Sparrow, 5; Eastern Meadowlark, 107; Redwinged Blackbird, 275; Boat-tailed Grackle, 2; Common Grackle, 4; Cardinal, 30; Rufous-sided Towhee, 8; Savannah Sparrow, 12; Seaside Sparrow, 3; Field Sparrow, 2; White-throated Sparrow, 45; Swamp Sparrow, 20; Song Sparrow, 15. **Total,** 100 species; about 2492 individuals.—Edward J. Kuenzler, Eugene Odum (compiler), John M. Teal (Univ. of Georgia Marine Institute).

222. **Sherwood and Birdsong Plantations, Ga.** (all points within 1500 acres in Grady County; open fields and pastures 50%, pinelands and mixed hardwoods 30%, gum swamp and ponds 20%).—Dec. 28; 6:30 a.m. to 6:30 p.m.; temp. 44° to 50°; wind NW, 0-8 m.p.h.; 2 ponds dry, 2 nearly dry, 6 full or nearly full. One observer. Total hours, 12 (9 on foot, 1 by car, 2 at feeders); total miles, 36 (12 on foot, 24 by car). ► Pied-billed Grebe, 2; Anhinga, 5; Great Blue Heron, 4; Common Egret, 1; Wood Duck, 75; Ring-necked Duck, 8; Hooded Merganser, 2; Turkey Vulture, 110; Black Vulture, 561; Red-shouldered Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 2; Bobwhite, 15 (1 covey); Turkey, 20 seen, many more heard; Killdeer, 25; Common Snipe, 2; Ground Dove, 6; Mourning Dove, 92+; Great Horned Owl, 2; Barred Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 3; Pileated Woodpecker, 5; Red-bellied Woodpecker, 15; Red-headed Woodpecker, 6; Hairy Woodpecker, 1; Downy Woodpecker, 3; Red-cockaded Woodpecker, 1; Eastern Phoebe, 1; Blue Jay, 13; Common Crow, 20; Carolina Chickadee, 3; Tufted Titmouse, 7; White-breasted Nuthatch, 2; Brown-headed Nuthatch, 4; House Wren, 1; Carolina Wren, 8; Short-billed Marsh Wren, 1; Mockingbird, 7; Brown Thrasher, 5; Robin, 5; Eastern Bluebird, 34; Ruby-crowned Kinglet, 11; Cedar Waxwing, 2; Loggerhead Shrike, 2; Starling, 34+; Myrtle Warbler, 2; Pine Warbler, 3; Yellow-throated Warbler, 2; Eastern Meadowlark, 178; Redwinged Blackbird, 1016; Common Grackle, 3; Brown-headed Cowbird, 5; Cardinal, 51; Am. Goldfinch, 9; Rufous-sided Towhee, 10; Savannah Sparrow, 3; Vesper Sparrow, 36; Bachman's Sparrow, 1; Slate-colored Junco, 2; Chipping Sparrow, 112; White-throated Sparrow, 64; Swamp Sparrow, 5; Song Sparrow, 8. **Total,** 64 species; about 2642 individuals. (Seen in area count period, but not on count day: Am. Woodcock).—H. L. Stoddard, Sr.

223. **Apalachicola, Fla.** (all points within a 15-mile diameter circle, center 1 mile NW of Cat Point ferry landing; coverage about as in 1957, but more time spent in boats on rivers and bays).—Dec. 29; 7:25 a.m. to 6:25 p.m. Cloudy, clearing at noon; temp. 44° to 58°; wind N, 5-12 m.p.h. Eleven observers in 5 parties. Total party-hours, 47½ (28 on foot, 3 by car, 16½ by boat); total party-miles, 132 (40 on foot, 52 by car, 40 by boat). ► Common Loon, 112; **Red-throated Loon, 2** (all field marks—L. E. W.); Horned Grebe, 50; Pied-billed Grebe, 17; Brown Pelican, 34; Double-crested Cormorant, 540; Great Blue Heron, 26; Little Blue Heron, 22; Common Egret, 16; Louisiana Heron, 5; Black-crowned Night Heron, 3; Mallard, 1; Gadwall, 165; Pintail, 50; Am. Widgeon, 8; Ring-necked Duck, 2; Canvasback, 150; Lesser Scaup, 72; scaup (sp.), 790; Common Goldeneye, 15; Bufflehead, 40; Ruddy Duck, 25; Hooded Merganser, 18; Red-breasted Merganser, 75; Turkey Vulture, 36; Black Vulture, 10; Red-shouldered Hawk, 7; Bald Eagle, 3; Marsh Hawk, 5; Sparrow Hawk, 12; King Rail, 1; Clapper Rail, 32; Sora, 5; Common Gallinule, 3; Am. Coot, 630; Am. Oystercatcher, 11; Semipalmated Plover, 35; Piping Plover, 3; Killdeer, 50; Black-bellied Plover, 14; Common Snipe, 39; Willet, 2; Dunlin, 290; **Long-billed Dowitcher,** 1; Semipalmated Sandpiper, 10; Western Sandpiper, 12; Sanderling, 16; small sandpipers (sp.), 100; Herring Gull, 132; Ring-billed Gull, 144; Laughing Gull, 21; Bonaparte's Gull, 5; Forster's Tern, 53; Common Tern, 1; Royal Tern, 21; Caspian Tern, 10; Black Skimmer, 100; Mourning Dove, 8; Ground Dove, 13; **Whip-poor-will, 2**; Belted Kingfisher, 20; Yellow-shafted Flicker, 23; Pileated Woodpecker, 3; Red-bellied Woodpecker, 14; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 2; Downy Woodpecker, 3; Eastern Phoebe, 10; Tree Swallow, 30; Blue Jay, 13; Common Crow, 16; Fish Crow, 6; crow (sp.), 7; Carolina Chickadee, 6; Brown-headed Nuthatch, 40; House Wren, 9; Carolina Wren, 15; Long-billed Marsh Wren, 6; Short-billed Marsh Wren, 6; Mockingbird, 20; Catbird, 3; Brown Thrasher, 1; Robin, 930; Blue-gray Gnatcatcher, 7; Ruby-crowned Kinglet, 33; Water Pipit, 1; Cedar Waxwing, 80; Loggerhead Shrike, 1; Starling, 300; Orange-crowned Warbler, 4; Myrtle Warbler, 940; Yellow-throated Warbler, 1; Pine Warbler, 10; Yellowthroat, 21; House Sparrow, 70; Eastern Meadowlark, 80; Redwinged Blackbird, 450; Boat-tailed Grackle, 85; Common Grackle, 45; Cardinal, 28; Am. Goldfinch, 11; Rufous-sided Towhee, 70; Sharp-tailed Sparrow, 1; Seaside Sparrow, 1; Chipping Sparrow, 1; Field Sparrow, 1; White-throated Sparrow, 24; Swamp Sparrow, 13; Song Sparrow, 7. **Total,** 106 species; about 7564 individuals.—Storrs Olson, Ernest H. Stevenson, Henry M. Stevenson (compiler), Mrs. Frank H. Stoutamire, Mr. and Mrs. James R. Warren, Clarie June Watford, Mr. and Mrs. Richard L. West, Lovett E. Williams, Mrs. Karl Zerbe.

224. **Atlantic Ocean off Cocoa Beach, Fla.** (5 to 20 miles east of Cocoa Beach; aboard *Miss Charleston* from 8 a.m. to 5:30 p.m.; thousands of birds around Port Canaveral and adjacent ocean within 5 miles of shore not included in this report; ocean 100%).—Dec. 22; 8:30 a.m. to 5 p.m. A few scattered clouds; temp. 58° to 70°; wind NNW to E, 12-4 m.p.h.; moderate ocean swells subsiding to al-

most dead calm. Four observers in 1 party. Total party-hours, 8½ (by boat); total party-miles, 50 (by boat). ► Common Loon, 3; Brown Pelican, 110; Gannet, 6 (previous low 45); Red Phalarope, 1; phalarope (sp.), 4; Pomarine Jaeger, 4; Parasitic Jaeger, 4; jaeger (sp.), 6; **Glaucous Gull, 1** (within 10 ft. of boat, all field marks checked); **Great Black-backed Gull, 1**; Herring Gull, 60 (no adults); Ring-billed Gull, 76; Laughing Gull, 210; Bonaparte's Gull, **92**; Forster's Tern, 4; Royal Tern, 452; Sandwich Tern, 1; gulls and terns (spp.), 1000+. **Total,** 15 species; more than 2035 individuals.—Allan D. Cruickshank (compiler), Michael Oboiko, Julian Sellers, W. Foster White (Indian River Audubon Society).

225. Bradenton, Fla. (all points within a 15-mile diameter circle, center Warner's Bayou, Manatee River; gulf and beaches 4%, bay and bay shores 35%, rivers and bayou 6%, inhabited areas 11%, salt marsh and mangrove 3%, farm, ranch and grove land 30%, mixed woods and hammock 10%, fresh-water lakes and ponds 1%).—Dec. 30; 6:30 a.m. to 5:30 p.m. Early fog, clear a.m., scattered clouds p.m.; temp. 50° to 68°; wind 5-10 m.p.h. Twenty-six observers in 11 parties. Total party-hours, 86 (50 on foot, 34 by car, 2 by boat); total party-miles, 377 (47 on foot, 327 by car, 3 by boat). ► Common Loon, 1; Horned Grebe, 20; Pied-billed Grebe, 7; Brown Pelican, 239; Double-crested Cormorant, 998; Anhinga, 33; Great Blue Heron, 68; Green Heron, 8; Little Blue Heron, 159; Cattle Egret, 23; Common Egret, 118; Snowy Egret, 114; Louisiana Heron, 46; Black-crowned Night Heron, 4; Yellow-crowned Night Heron, 27; Wood Ibis, 19; White Ibis, 247; Mallard, 2; Mottled Duck, 7; Blue-winged Teal, 4; Lesser Scaup, 1182; **Ruddy Duck, 1**; Red-breasted Merganser, 260; Turkey Vulture, 367; Black Vulture, 307; Red-tailed Hawk, 3; Red-shouldered Hawk, 3; Bald Eagle, 9; Marsh Hawk, 15; Osprey, 1; Sparrow Hawk, 76; Bobwhite, 37; Sora, 1; Common Gallinule, 1; Am. Coot, 3; Semipalmated Plover, 28; Piping Plover, 8; Snowy Plover, 7; Wilson's Plover, 20; Killdeer, 43; Black-bellied Plover, 49; Ruddy Turnstone, **248**; Common Snipe, 4; **Long-billed Curlew, 1** (present since Nov. 21); **Whimbrel, 1**; Spotted Sandpiper, 8; Willet, 90; Lesser Yellowlegs, 8; Knot, **425**; Least Sandpiper, 12; Dunlin, 135; Short-billed Dowitcher, 24; Semipalmated Sandpiper, 225; Western Sandpiper, 10; Sanderling, 252; Herring Gull, 275; Ring-billed Gull, 2310; Laughing Gull, 528; Forster's Tern, 41; **Common Tern, 7**; tern (sp.), 415; Royal Tern, 273; Black Skimmer, 568; Mourning Dove, 262; Ground Dove, 116; Belted Kingfisher, 65; Yellow-shafted Flicker, 20; Red-bellied Woodpecker, 36; Red-headed Woodpecker, 7; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 1; Downy Woodpecker, 1; Eastern Phoebe, 3; empidonax (sp.), 1; Tree Swallow, 352; Blue Jay, 36; Common Crow, 3; Fish Crow, 71; Carolina Wren, 7; Mockingbird, 94; Catbird, 1; Robin, 1; Eastern Bluebird, 5; Blue-gray Gnatcatcher, 10; Loggerhead Shrike, 64; Starling, 45; White-eyed Vireo, 1; Myrtle Warbler, 5; **Black-throated Blue Warbler, 1** (carefully identified at 15 ft.); Yellow-throated Warbler, 3; Prairie Warbler, 1; Palm Warbler, 50; Ovenbird, 1; Yellowthroat, 1; House Sparrow, 130; Eastern Meadowlark, 53; Redwinged Blackbird, 1648; Rusty Blackbird, 10; Boat-tailed Grackle, 18; Common Grackle, 23; Cardinal, 25; Am. Goldfinch, 14; Rufous-sided Towhee, 9; Savannah Sparrow, 16; Chipping Sparrow, 2; Song Sparrow, 2. **Total,** 105 species; about 13,642 individuals. (Seen in area count period, but not on count day: Bonaparte's Gull.)—Mrs. J. Hartley Blackburn, Mr. and Mrs. G. H. Bower, Mr. and Mrs. A. C. Brettle, Mr. and Mrs. Talbot Brewer (compilers), Mrs. J. W. Cairns, Mrs. J. B. Cartmell, Philip Clark, Mrs. Marian Daughtrey, Allen Hitch, Davies Lazear, W. B. Lazear, Mary Miller, Mr. and Mrs. George Moore, Mr. and Mrs. R. D. Morgan, Mrs. Clyde Phelps, Mrs. Joseph Russell, Leslie Ryder, Carl Scott, Nellie Smith, Mrs. Emma Taylor, Mrs. Sarah Trube.

226. Clewiston, Fla. (all points within a 15-mile diameter circle, center 5 miles west of Clewiston on U. S. 27, including Clewiston, Moore Haven, parts of Lakes Okeechobee and Hicpochee; lake and marsh 25%, truck gardens and sugarcane fields 15%, wooded towns 5%, grazing land with small scattered hammocks 55%; drained everglades and natural prairie represented).—Dec. 31; 8 a.m. to 6 p.m. Overcast all day; temp. 62° to 76°; wind SE, 0-10 m.p.h. Four observers in 3 parties. Total party-hours, 17 (6 on foot, 9 by car, 2 by airboat); total party-miles, 121 (7 on foot, 89 by car, 25 by airboat). ► Common Loon, 1; Pied-billed Grebe, 13; Double-crested Cormorant, 4; Anhinga, 15; Great Blue Heron, 11; Green Heron, 1; Little Blue Heron, 16; Cattle Egret, 37; Common Egret, 25; Snowy Egret, 147; Louisiana Heron, 21; Black-crowned Night Heron, 1; Am. Bittern, 3; Wood Ibis, 2; Glossy Ibis, 62; White Ibis, 205; Mottled Duck, 3; Blue-winged Teal, 40; Ring-necked Duck, 1; Lesser Scaup, 86; Turkey Vulture, 55; Black Vulture, 65; **Everglade Kite, 3**; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 3; Bald Eagle, 1; Marsh Hawk, 17; Osprey, 1; Caracara, 1; Pigeon Hawk, 2; Sparrow Hawk, 49; Sandhill Crane, 4; Limpkin, 8; Common Gallinule, 8; Am. Coot, 500+; Killdeer, 85; Common Snipe, 6; Greater Yellowlegs, 1; Lesser Yellowlegs, 4; Herring Gull, 4; Ring-billed Gull, 430; Laughing Gull, 1; Bonaparte's Gull, 12; Forster's Tern, 9; Caspian Tern, 2; Black Skimmer, 112; Mourning Dove, 156; Ground Dove, 16; **Smooth-billed Ani, 8**; Barn Owl, 1; Great Horned Owl, 1; Burrowing Owl, 2; Ruby-throated Hummingbird, 5; Belted Kingfisher, 16; Yellow-shafted Flicker, 5; Red-bellied Woodpecker, 4; Yellow-bellied Sapsucker, 3; Eastern Phoebe, 13; Tree Swallow, 112; **Rough-winged Swallow, 250**; Blue Jay, 14; Common Crow, 1; Fish Crow, 415; House Wren, 3; Mockingbird, 17; Catbird, 1; Blue-gray Gnatcatcher, 7; Loggerhead Shrike, 39; White-eyed Vireo, 1; Orange-crowned Warbler, 1; Myrtle Warbler, 3; Yellow-throated Warbler, 1; Palm Warbler, 130; Yellowthroat, 12; House Sparrow, 165; Eastern Meadowlark, 130; Redwinged Blackbird, 640; Boat-tailed Grackle, 575;

Common Grackle, 240; Brown-headed Cowbird, 375; Cardinal, 9; **Indigo Bunting, 1**; Painted Bunting, 7; Am. Goldfinch, 25; Rufous-sided Towhee, 2; Savannah Sparrow, 123; Grasshopper Sparrow, 2; Henslow's Sparrow, 1; Chipping Sparrow, 2; Field Sparrow, 1; Swamp Sparrow, 1. **Total,** 92 species; about 5615 individuals.—Pat McGehee, Alexander Sprunt, Jr., Margaret V. Sprunt, Sandy Sprunt (compiler).

227. **Cocoa, Fla.** (all points within a 15-mile diameter circle, center 1 mile north of east end of Cocoa's Indian River bridge; diameter from ocean near Port Canaveral across Banana River, Merritt Island, Indian River, Cocoa to middle of Lake Poinsett; pinelands 22%, tidal estuaries 22%, palm hammocks and jungles 12%, gardens and citrus groves 10%, towns 9%, salt marshes and mangroves 8%, prairie 8%, fresh water and marshes 6%, ocean and beach 3%).—Dec. 29; 5:30 a.m. to 7:30 p.m. Mostly overcast; temp. 52° to 64°; wind NW, 2-15 m.p.h.; lowlands wet due to heavy rain preceding 2 days. Fifty-five observers in 17 parties. Total party-hours, 220 (150 on foot, 60 by car and jeep, 10 by boat); total party-miles, 925 (70 on foot, 825 by car and jeep, 30 by boat). ► Common Loon, 30; **Red-throated Loon, 1** (dead bird same place—Dec. 31); Horned Grebe, 142; **Western Grebe, 1** (seen well by J. O. previously familiar with species); Pied-billed Grebe, 146; White Pelican, 150; Brown Pelican, 500+; Gannet, 21; Double-crested Cormorant, 435; Anhinga, 72; Great Blue Heron, 128; Green Heron, **68**; Little Blue Heron, 200; Cattle Egret, **130**; **Reddish Egret, 2** (in same area since Sept.); Common Egret, 160; Snowy Egret, 214; Louisiana Heron, 194; Black-crowned Night Heron, 10; Yellow-crowned Night Heron, 3; Least Bittern, 8; heron (sp.), 200+; Am. Bittern, 3; Wood Ibis, 124; Glossy Ibis, 48; White Ibis, 1200; **Canada Goose, 4** (present for week); Mallard, 9; Black Duck, 6; Mottled Duck, 36; Gadwall, 4; Pintail, 1522; Green-winged Teal, 30; Blue-winged Teal, 123; **European Widgeon, 1** (W. D., C. R. M. party); Am. Widgeon, 210; Shoveler, 51; Wood Duck, 1; Redhead, 6; Ring-necked Duck, 12; Canvasback, 2; Lesser Scaup, 4324+; Bufflehead, 8; Oldsquaw, 1; Ruddy Duck, 6; Hooded Merganser, 14; Red-breasted Merganser, 8; duck (sp.), 1000+; Turkey Vulture, 200; Black Vulture, 60; Sharp-shinned Hawk, 6; Cooper's Hawk, 3; Red-tailed Hawk, 18; Red-shouldered Hawk, 21; Bald Eagle, 16 (5 on nests); Marsh Hawk, 34; Osprey, 6; Peregrine Falcon, 1; Pigeon Hawk, 8; Sparrow Hawk, 125; hawk (sp.), 8; Bobwhite, 134; Sandhill Crane, 32; Limpkin, 2; King Rail, 22; Clapper Rail, 15; Virginia Rail, 4; Sora, 84; **Black Rail, 1** (F. H. familiar with species); Common Gallinule, 72; Am. Coot, 1600; Semipalmated Plover, 112; Piping Plover, **45**; Wilson's Plover, **9**; Killdeer, **482** (250+ in 1 flock); Black-bellied Plover, 285; Ruddy Turnstone, 93; Am. Woodcock, 1; Common Snipe, 87; **Long-billed Curlew, 1** (in same area since Sept.); **Whimbrel, 3** (in same area 15 months!); Spotted Sandpiper, 6; Solitary Sandpiper, 1; Willet, 48; Greater Yellowlegs, 54; Lesser Yellowlegs, 16; Knot, 8; Least Sandpiper, 75; Dunlin, 600; Short-billed Dowitcher, 14; **Stilt Sandpiper, 2** (A. C.); Semipalmated Sandpiper, **800+**; Western Sandpiper, **250**; Marbled Godwit, **12**; Sanderling, 650; Am. Avocet, 16; shorebirds (sp.), 500+; jaeger (sp.), 2; Great Black-backed Gull, 5 (now regular every winter); Herring Gull, 314; Ring-billed Gull, **5000+**; Laughing Gull, **750**; Bonaparte's Gull, 88; **Gull-billed Tern, 2** (1 each by 2 widely separated parties); Forster's Tern, 74; Common Tern, 2; Royal Tern, 410; Sandwich Tern, **16**; Caspian Tern, 31; gulls and terns (spp.), 500+; Black Skimmer, 450; Mourning Dove, 380; Ground Dove, 95; Barn Owl, 2; Screech Owl, 11; Great Horned Owl, 10 (4 pairs nesting in eagle nests); Barred Owl, 5; Short-eared Owl, 2; Whip-poor-will, 1; Ruby-throated Hummingbird, 7; Belted Kingfisher, 140; Yellow-shafted Flicker, 154; Pileated Woodpecker, 22; Red-bellied Woodpecker, 78; Yellow-bellied Sapsucker, 10; Hairy Woodpecker, 4; Downy Woodpecker, 22; Red-cockaded Woodpecker, 3; Eastern Phoebe, 52; **empidonax flycatcher (sp.), 1** (A. E.); Tree Swallow, **50,000+**; **Barn Swallow, 1** (2 parties); Blue Jay, 70; Scrub Jay, 94; Common Crow, 6; Fish Crow, 4000+; Tufted Titmouse, 2 (1 each by 2 widely separated observers); Brown-headed Nuthatch, 17; House Wren, 57; Winter Wren, 1; Carolina Wren, 60; Long-billed Marsh Wren, 32; Short-billed Marsh Wren, 11; Mockingbird, 168; Catbird, 38; Brown Thrasher, 7; Robin, 450; Hermit Thrush, 2; Eastern Bluebird, 21; Blue-gray Gnatcatcher, 54; Ruby-crowned Kinglet, 22; Water Pipit, 26; Cedar Waxwing, 54; Loggerhead Shrike, 92; Starling, 80; White-eyed Vireo, 6; Solitary Vireo, 2; Black-and-white Warbler, 9; Orange-crowned Warbler, 16; Parula Warbler, 1; Black-throated Blue Warbler, 1; Myrtle Warbler, 650; Yellow-throated Warbler, 22; Pine Warbler, 42; Prairie Warbler, 18; Palm Warbler, 442 (some Yellow Palms); Ovenbird, 1; Northern Waterthrush, 2; Yellowthroat, 210; House Sparrow, 174; Eastern Meadowlark, 264; **Western Meadowlark, 2** (seen and heard well—R. K., F. H.); Redwinged Blackbird, 4200; Baltimore Oriole, 2; Rusty Blackbird, 10; Boat-tailed Grackle, 900; Common Grackle, 280; Brown-headed Cowbird, 145; Cardinal, 216; Indigo Bunting, 1; Painted Bunting, 13; Purple Finch, 3; Am. Goldfinch, 212; Rufous-sided Towhee, 183 (mostly White-eyed); Savannah Sparrow, 314; Grasshopper Sparrow, 5; Henslow's Sparrow, 2; Sharp-tailed Sparrow, 5; Seaside Sparrow, 1; Vesper Sparrow, 8; Lark Sparrow, 1; Chipping Sparrow, 123; Field Sparrow, 28; White-crowned Sparrow, 2; White-throated Sparrow, 7; Fox Sparrow, **5**; Lincoln's Sparrow, 1; Swamp Sparrow, 203; Song Sparrow, 14; passerines (sp.), 200+. **Total,** 194 species (2 additional races); more than 91,168 individuals. (Seen in area count period, but not on count day: Magnificent Frigate-bird, Greater Scaup, Turkey, Red-headed Woodpecker, Western Kingbird, Yellow-breasted Chat, Dickcissel, Bachman's Sparrow.)—Ted Allen, Hank Bennett, Linda Bennett, Mrs. Richard Boynton, Leslie Case, William Casteel, Erna Comby, Julius Comby, Allan Cruickshank (compiler), Helen Cruickshank, William Davidson, Ken Dubke, Clara Dunbar, Robert Dunbar,

David Ellinor, Alonzo Ellis, James Fleugel, Clyde Flowers, Richard Goodwin, Richard Goodwin, Jr., Loella Grimes, William Gurr, Robert Hamilton, Fred Hebard, Joseph Howell, William Hueston, John Johnson, Richard Kuerzi, Katharine Lewis, William Lewis, Frank Ligas, C. Russell Mason, Myrtle Maxwell, Hewson Michie, Katharine Michie, Burt Monroe, Jr., James Murray, Lucile Norton, Michael Oboiko, James O'Neil, Lewis Orgel, Paul Pardue, J. Stanley Quickmire, William Robertson, Jr., Ruth Rogers, Julian Sellers, Burt Stinnett, Verda Stinnett, Barrie Transue, Doris Transue, W. Foster White, Farida Wiley, Glen Woolfenden, Chandler Young, Katherine Young (Indian River Audubon Society and guests).

228. Coot Bay–Everglades National Park, Fla. (all points within a 15-mile diameter circle, center ½ mile northwest of Bradley Key; Sandy Key and Fox Lakes not covered; mangrove swamp 15%, tropical hardwood hammock 15%, coastal prairie 25%, lakes, bays and Florida Bay 45%).—Dec. 21; 4:30 a.m. to 7 p.m. Clear; temp. 53° to 75°; wind N to NE, 5-12 m.p.h.; heavy rains week preceding count, large areas flooded. Thirty-four observers in 13 parties. Total party-hours, 122 (74 on foot, 4 by car, 42 by boat, 2 by airplane); total party-miles, 329 (67 on foot, 35 by car, 77 by boat, 150 by airplane). ► Horned Grebe, 79; Pied-billed Grebe, 256; White Pelican, 763; Brown Pelican, 863; Double-crested Cormorant, 895; Anhinga, 19; Magnificent Frigate-bird, 1; Great White Heron, **436**; Great Blue Heron, 235; Green Heron, 119; Little Blue Heron, 510; **Cattle Egret, 1** (present all fall); Reddish Egret, **33**; Common Egret, **2030**; Snowy Egret, 2795; Louisiana Heron, 810; Black-crowned Night Heron, 84; Yellow-crowned Night Heron, 33; Am. Bittern, 2; Wood Ibis, 691; **Glossy Ibis, 1** (J. B.); White Ibis, **1930**; Roseate Spoonbill, 103; Am. Flamingo, 3; **Mallard, 45** (2 parties); Mottled Duck, 92; Gadwall, **18** (C. B., E. W.); Pintail, 27; Green-winged Teal, 4; Blue-winged Teal, **1820**; Am. Widgeon, 93; Shoveler, 21; Redhead, 9; Ring-necked Duck, 9; Lesser Scaup, 5504; **Bufflehead, 4** (W. R., B. R.); Ruddy Duck, 56; Red-breasted Merganser, 153; Turkey Vulture, **467**; Black Vulture, 38; Sharp-shinned Hawk, 2; Red-shouldered Hawk, 61; Broad-winged Hawk, 8; Short-tailed Hawk, 5; Bald Eagle, 29; Marsh Hawk, **52**; Osprey, 87; Peregrine Falcon, 8; Sparrow Hawk, 41; Clapper Rail, 6; Sora, 2; Common Gallinule, 7; Am. Coot, 439; Semipalmated Plover, 25; Wilson's Plover, 66; Killdeer, 64; Black-bellied Plover, 763; Ruddy Turnstone, 12; Common Snipe, 2; Long-billed Curlew, 5; Whimbrel, 13 (F. L., C. L.); Spotted Sandpiper, 44; Willet, **3400**; Greater Yellowlegs, 75; Lesser Yellowlegs, 25; Knot, 15; Least Sandpiper, 1242; Dunlin, 2774; dowitcher (sp.), **1300**; Semipalmated Sandpiper, 1202; Western Sandpiper, 1200; Marbled Godwit, 8; Herring Gull, 37; Ring-billed Gull, 174; Laughing Gull, 637; Bonaparte's Gull, 4; Gull-billed Tern, **33** (5 parties); Forster's Tern, 80; Common Tern, 1 (R. L. C. party); Royal Tern, 128; Sandwich Tern, 7; Caspian Tern, 124; Black Skimmer, **2716**; **White-crowned Pigeon, 17** (3 parties); **White-winged Dove, 4** (R. C., D. B.); Mourning Dove, **37**; Ground Dove, 35; Barn Owl, 5; Screech Owl, 3; Barred Owl, 3; Whip-poor-will, 3; Ruby-throated Hummingbird, **19**; Belted Kingfisher, 102; Yellow-shafted Flicker, 19; Pileated Woodpecker, 2; Red-bellied Woodpecker, 35; Yellow-bellied Sapsucker, 6; **Western Kingbird, 1** (A. S., S. S.); Great Crested Flycatcher, 26; Eastern Phoebe, 28; **empidonax (sp.), 1** (J. A.—carefully studied, probably Least); Tree Swallow, 39; **Rough-winged Swallow, 1** (W. A. party); **Barn Swallow, 3** (2 parties); Common Crow, 136; House Wren, 54; Carolina Wren, 1; Short-billed Marsh Wren, 2; Mockingbird, 25; Catbird, 11; Brown Thrasher, 5; Robin, 1 (Mrs. M. P. C.); Blue-gray Gnatcatcher, 239; Loggerhead Shrike, 1; White-eyed Vireo, 21; Yellow-throated Vireo, 3 (J. A.); Solitary Vireo, 5; Black-and-white Warbler, 29; Orange-crowned Warbler, 7; Parula Warbler, 12; Yellow-throated Warbler, 6; Prairie Warbler, 42; Palm Warbler, 169; Ovenbird, 2; Northern Waterthrush, 4; Yellowthroat, 282; Am. Redstart, 3 (3 parties); **House Sparrow, 45**; Eastern Meadowlark, 108; Redwinged Blackbird, 603; Boat-tailed Grackle, 44; Common Grackle, **553**; Cardinal, 88; Painted Bunting, 20; Am. Goldfinch, 11; Rufous-sided Towhee, 3; Savannah Sparrow, 110; Grasshopper Sparrow, 2; Sharp-tailed Sparrow, 19; Swamp Sparrow, 35. **Total,** 140 species; about 41,065 individuals. (Seen in area count period, but not on count day: **Brown-headed Cowbird.** Most migrant passerines far below usual numbers.) [Excellent details submitted for all unusual observations—Ed.]—Joel Abramson, William G. Atwater, George Avery, John F. Belshe, H. Storrs Brigham, Jr., Charles M. Brookfield, Donald K. Brown, Mrs. Marie P. Cobb, LeBaron C. Colt, Jr., Mrs. Francis V. Crane, Richard L. Cunningham, Mrs. Dorothy Dee, Mrs. Roy N. Dickie, Abbott T. Fenn, Mrs. Mary Agnes Gasche, Mrs. Dorothy C. Hall, Barbara B. Johnson, Frank J. Ligas, Charles M. Loveless, Ralph Miele, Mrs. Eugene C. Miles, Hugh Bell Muller, Flora E. O'Brien, Grace V. Rayfuse, Betty Robertson, William B. Robertson, Jr. (compiler), Mrs. Ruby T. Ruettger, Art Schaffner, Saul Schiffman, George B. Stevenson, Louis A. Stimson, Frederick K. Truslow, Jacob M. Valentine, Jr., Ed Wysocki.

229. Corkscrew–Immokalee, Fla. (all points within a 15-mile diameter circle, center on southwest shore of Lake Trafford to include eastern part of Corkscrew Sanctuary, Corkscrew, Immokalee; pinelands 60%, cypress swamps 10%, lakes 5%, residential 5%, marshes 20%).—Dec. 22; 7 a.m. to 11:55 p.m. Scattered clouds; temp. 55° to 80°; wind NE, 5-15 m.p.h. Three observers in 3 parties. Total party-hours, 28 (9 on foot, 6 by car, 5 by jeep, 8 by swamp buggy); total party-miles, 85 (10 on foot, 45 by car, 21 by jeep, 9 by swamp buggy). ► Pied-billed Grebe, 28; Anhinga, 35; Great Blue Heron, 24; Green Heron, 4; Little Blue Heron, 230; Cattle Egret, 20; Common Egret, 72; Snowy Egret, 30; Louisiana Heron, 60; Black-crowned Night Heron, 4; Am. Bittern, 1; Wood Ibis, **1400**; White Ibis, 700; Mallard, 1; Mottled Duck, 72; Green-winged Teal, 3;

Blue-winged Teal, 46; Am. Widgeon, 1; Lesser Scaup, 24; Hooded Merganser, 9; Turkey Vulture, 700; Black Vulture, 82; Cooper's Hawk, 2; Red-shouldered Hawk, 27; **Short-tailed Hawk, 1** (H. B.); Marsh Hawk, 6; Osprey, 1; Caracara, 2; Peregrine Falcon, 1; Pigeon Hawk, 1; Sparrow Hawk, 2; Bobwhite, 13; Sandhill Crane, 15; Limpkin, 18; King Rail, 1; Common Gallinule, 17; Am. Coot, 36; Killdeer, 90; Common Snipe, 46; Greater Yellowlegs, 9; Lesser Yellowlegs, 82; Least Sandpiper, 30; Short-billed Dowitcher, 13; Semipalmated Sandpiper, 25; Western Sandpiper, 1; Ground Dove, 24; Screech Owl, 3; Great Horned Owl, 1; Barred Owl, 9; Whip-poor-will, 1; Belted Kingfisher, 14; Yellow-shafted Flicker, 6; Pileated Woodpecker, 12; Red-bellied Woodpecker, 19; Yellow-bellied Sapsucker, 2; Downy Woodpecker, 2; Red-cockaded Woodpecker, 5; Great Crested Flycatcher, 8; Eastern Phoebe, 9; Tree Swallow, 600; Blue Jay, 2; Common Crow, 14; Fish Crow, 20; Tufted Titmouse, 1; Brown-headed Nuthatch, 11; House Wren, 4; Carolina Wren, 24; Long-billed Marsh Wren, 2; Mockingbird, 7; Catbird, 4; Brown Thrasher, 1; Robin, 1; Eastern Bluebird, 11; Blue-gray Gnatcatcher, 22; Loggerhead Shrike, 16; Black-and-white Warbler, 1; Myrtle Warbler, 2; Pine Warbler, 22; Palm Warbler, 450; Yellowthroat, 82; House Sparrow, 6; Eastern Meadowlark, 104; Redwinged Blackbird, 900; Boat-tailed Grackle, 65; Common Grackle, 34; Cardinal, 6; Am. Goldfinch, 5; Rufous-sided Towhee, 13; Savannah Sparrow, 38; Bachman's Sparrow, 1; Chipping Sparrow, 4; Swamp Sparrow, 43; **Song Sparrow, 1. Total,** 93 species; about 6617 individuals.—Henry P. Bennett, Linda Bennett, George E. Lippert (compiler).

230. Daytona Beach, Fla. (all points within a 15-mile diameter circle, center at Bellevue and Route 92, north to Ormond Beach, south to Spruce Creek, west to fire tower on Route 92, east to Atlantic Ocean; beach and dunes 25%, pasture 21%, forest 36%, residential 10%, Halifax River 8%).—Dec. 20; 7 a.m. to 5 p.m. Clear; temp. 42° to 72°; wind NW, 15 m.p.h. Seventeen observers in 4 parties. Total party-hours, 40 (5 on foot, 35 by car); total party-miles, 189 (11 on foot, 178 by car). ► Common Loon, 4; Horned Grebe, 37; Pied-billed Grebe, 33; Brown Pelican, 312; Gannet, 6; Double-crested Cormorant, 375; Anhinga, 3; Great Blue Heron, 35; Green Heron, 3; Little Blue Heron, 400; **Cattle Egret, 12**; Common Egret, 413; Snowy Egret, 212; Louisiana Heron, 72; Black-crowned Night Heron, 4; White Ibis, 30; Mallard, 2; Blue-winged Teal, 2; Lesser Scaup, 235; Red-breasted Merganser, 14; Turkey Vulture, 45; Black Vulture, 6; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 3; Red-shouldered Hawk, 20; Marsh Hawk, 8; Osprey, 3; Sparrow Hawk, 68; Bobwhite, 26; Clapper Rail, 1; Sora, 3; Common Gallinule, 1; Am. Coot, 4; Killdeer, 178; Black-bellied Plover, 38; Ruddy Turnstone, 65; Common Snipe, 8; Spotted Sandpiper, 2; Willet, 3; Greater Yellowlegs, 4; Lesser Yellowlegs, 1; Knot, 29; Least Sandpiper, 1; Sanderling, 225; Herring Gull, 85; Ring-billed Gull, 1926; Laughing Gull, 490; Bonaparte's Gull, 25; Forster's Tern, 22; Royal Tern, 102; Caspian Tern, 20; Black Skimmer, 129; Mourning Dove, 128; Ground Dove, 24; Belted Kingfisher, 47; Yellow-shafted Flicker, 22; Pileated Woodpecker, 5; Red-bellied Woodpecker, 28; Red-headed Woodpecker, 4; Yellow-bellied Sapsucker, 3; Downy Woodpecker, 2; **Red-cockaded Woodpecker, 1**; **Gray Kingbird, 1** (all field marks checked—F. A. party); **Western Kingbird, 1**; **Great Crested Flycatcher, 1** (C. E. party); Eastern Phoebe, 19; Tree Swallow, 139; Blue Jay, 78; Scrub Jay, 31; Common Crow, 311; Fish Crow, 848; Carolina Chickadee, 3; Tufted Titmouse, 1; Brown-headed Nuthatch, 10; House Wren, 23; Carolina Wren, 7; Long-billed Marsh Wren, 1; Short-billed Marsh Wren, 1; Mockingbird, 98; Catbird, 12; Brown Thrasher, 2; Robin, 115; Hermit Thrush, 1; Eastern Bluebird, 23; Ruby-crowned Kinglet, 6; Water Pipit, 76; Loggerhead Shrike, 46; Starling, 568; Black-and-white Warbler, 4; Orange-crowned Warbler, 2; Myrtle Warbler, 354; Pine Warbler, 4; Palm Warbler, 105 (2 Yellow Palms); Yellowthroat, 5; House Sparrow, 229; Eastern Meadowlark, 78; Redwinged Blackbird, 44; Common Grackle, 2; Brown-headed Cowbird, 35; Cardinal, 49; Am. Goldfinch, 161; Rufous-sided Towhee, 24; Savannah Sparrow, 12; Sharp-tailed Sparrow, 2; Chipping Sparrow, 32; White-throated Sparrow, 11; Swamp Sparrow, 2; Song Sparrow, 3. **Total,** 109 species (1 additional race); about 9591 individuals.—Fred J. Ackermann (compiler), Rose Block, Chester Childs, Frank Crosby, Lucille Deuce, Conrad Ekdahl, Norma Ekdahl, A. J. Fairbanks, Priscilla Fairbanks, Lydia Hamilton, Dennis Miller, Helen Quam, F. Beacom Rich, O. E. Thomas, Esther Ullman, Willard Whiteman, Mrs. Willard Whiteman (Halifax River Audubon Society).

231. Ft. Lauderdale, Fla. (all points within a 15-mile diameter circle, center at junction of Sunrise Blvd. and Sunshine State Pkwy., including town of Margate, to Ft. Lauderdale Beach, to 1 mile south of Sterling Rd. on Rt. 441 in Dania, and to 1¼ miles west of State Rd. 823 on State Rd. 84; fresh-water ponds, canals, marshes 6%, pasture and farmland 40%, towns 43%, cypress strand 5%, ocean and beach 1%, pine and scrub oak 5%).—Dec. 27; 6:30 a.m. to 6:30 p.m. Cloudy; temp. 70° to 80°; wind SE, 5-15 m.p.h.; 8-in. rain flooded area preceding night. Thirteen observers in 5 parties. Total party-hours, 49 (9 on foot, 36 by car, 1 by boat, 3 by airboat); total party-miles, 227 (15 on foot, 205 by car, 1 by boat, 3 by airboat). ► Pied-billed Grebe, 23; Brown Pelican, 10; Double-crested Cormorant, 1; Anhinga, 159; Magnificent Frigate-bird, 2; Great Blue Heron, 41; Green Heron, 28; Little Blue Heron, 35; Cattle Egret, 770; Common Egret, 73; Snowy Egret, 4; Louisiana Heron, 10; Yellow-crowned Night Heron, 4; Am. Bittern, 17; Glossy Ibis, 63; White Ibis, 32; Mottled Duck, 9; Green-winged Teal, 7; Blue-winged Teal, 20; Am. Widgeon, 8; Ring-necked Duck, 36; Lesser Scaup, 178; Hooded Merganser, 3; Red-breasted Merganser, 4; Turkey Vulture, 140; Black Vulture, 17; Sharp-shinned Hawk, 2; Cooper's Hawk, 3; Red-tailed Hawk, 2; Red-shouldered Hawk, 10; Marsh Hawk, 19; Osprey,

4; Sparrow Hawk, 121; Bobwhite, 24; Limpkin, 2; **Purple Gallinule, 1** (seen well—Frost party); Common Gallinule, 16; Am. Coot, 165; Killdeer, 310; Black-bellied Plover, 12; Ruddy Turnstone, 9; Common Snipe, 7; Spotted Sandpiper, 2; Greater Yellowlegs, 2; Lesser Yellowlegs, 5; Short-billed Dowitcher, 20; Sanderling, 50; Herring Gull, 8; Ring-billed Gull, 673; Laughing Gull, 16; Forster's Tern, 3; Royal Tern, 56; Black Skimmer, 10; Mourning Dove, 194; Ground Dove, 66; Smooth-billed Ani, 1; Barn Owl, 2 (young in nest); Burrowing Owl, 5; Ruby-throated Hummingbird, 3; Belted Kingfisher, 27; Yellow-shafted Flicker, 10; Pileated Woodpecker, 3; Red-bellied Woodpecker, 36; Yellow-bellied Sapsucker, 4; Western Kingbird, **12**; **Scissor-tailed Flycatcher, 4**; Great Crested Flycatcher, 10; Eastern Phoebe, 50; Tree Swallow, 1244; **Rough-winged Swallow, 209** (carefully identified); Blue Jay, 68; House Wren, 24; Carolina Wren, 7; Long-billed Marsh Wren, 3; Mockingbird, 107; Catbird, 6; Brown Thrasher, 2; Blue-gray Gnatcatcher, 78; Ruby-crowned Kinglet, 3; Loggerhead Shrike, 107; White-eyed Vireo, 17; Solitary Vireo, 2; Black-and-white Warbler, 4; **Yellow Warbler, 1** (male carefully studied—F. L., R. A.); Yellow-throated Warbler, 1; Pine Warbler, 2; Prairie Warbler, 10; Palm Warbler, 240; Yellowthroat, 149; Am. Redstart, 2; House Sparrow, 139; Eastern Meadowlark, 161; Redwinged Blackbird, 1176; Boat-tailed Grackle, 1604; Common Grackle, 709; Cardinal, 67; Indigo Bunting, 9; Painted Bunting, 49; Am. Goldfinch, 7; Rufous-sided Towhee, 7; Savannah Sparrow, 12; Grasshopper Sparrow, 1; **Lark Sparrow, 2**; Chipping Sparrow, 5; Swamp Sparrow, 7. **Total,** 105 species; about 9913 individuals. (Seen in area count period, but not on count day: Pigeon Hawk, Screech Owl.)—Ralph Andrews, Ida Arnold, Kay Bailey, Margaret Biglin, Helen Dow, James B. Fleugel, Jack Frost, Brower B. Hall, Lenora Hortt, Arthur Inwood, Frank J. Ligas (compiler), George Polk, Eloise Runk (Broward County Audubon Society).

232. Fort Myers, Fla. (all points within a 15-mile diameter circle, center north Fort Myers, including Punta Rassa, eastern Fort Myers Beach, Little Pine Island, southern end of Pine Island, Ostego Bay, mouth of Caloosahatchie River; riverside, dry pineland, meadows, seashore, offshore islands, mangrove swamp, inland swamp).—Dec. 29; 7:30 a.m. to 6 p.m. Cloudy to sunny; temp. 64° to 53°; wind 0-5 m.p.h. Fourteen observers in 4 parties. Total party-hours, 32 (3 on foot, 29 by car and boat); total party-miles, 161 (9 on foot, 148 by car, 4 by boat). ► Common Loon, 1; Horned Grebe, 3; Pied-billed Grebe, 16; Brown Pelican, 245; Double-crested Cormorant, 160; Anhinga, 16; **Great White Heron, 1** (all field marks); Great Blue Heron, 19; Green Heron, 2; Little Blue Heron, 54; Cattle Egret, 5; Common Egret, 40; Snowy Egret, 25; Louisiana Heron, 18; Black-crowned Night Heron, 1; Yellow-crowned Night Heron, 25; Wood Ibis, 11; **Glossy Ibis, 1**; White Ibis, 61; Mottled Duck, 22; Pintail, 5; Blue-winged Teal, 1; Am. Widgeon, 12; Lesser Scaup, **21,200**; **Common Merganser, 1** (20x scope—J. B.); Turkey Vulture, 75; Black Vulture, 7; Red-tailed Hawk, 3; Red-shouldered Hawk, 8; Bald Eagle, 15; Marsh Hawk, 21; Osprey, 1; Sparrow Hawk, 46; Bobwhite, 34; Common Gallinule, 6; Am. Coot, 32; Semipalmated Plover, 13; Piping Plover, 15; Wilson's Plover, 42; Killdeer, 14; Black-bellied Plover, 24; Ruddy Turnstone, 77; Spotted Sandpiper, 6; Willet, 15; Least Sandpiper, 76; Dunlin, 18; Short-billed Dowitcher, 4; Semipalmated Sandpiper, 17; Western Sandpiper, 17; Sanderling, 20; sandpiper (sp.), 13; Herring Gull, 7; Ring-billed Gull, 316; Laughing Gull, 36; Bonaparte's Gull, 17; Forster's Tern, 14; Royal Tern, 57; Sandwich Tern, 5; Black Skimmer, 200; Mourning Dove, 13; Ground Dove, 22; **Great Horned Owl, 2**; Belted Kingfisher, 29; Yellow-shafted Flicker, 33; Red-bellied Woodpecker, 18; Great Crested Flycatcher, 1; Eastern Phoebe, 6; Tree Swallow, **3000**; Blue Jay, 7; Common Crow, 5; Fish Crow, 283; **Carolina Wren, 1**; Mockingbird, 64; Robin, 1; Eastern Bluebird, 5; Loggerhead Shrike, 74; Palm Warbler, 28; Yellowthroat, 1; House Sparrow, 53; Eastern Meadowlark, 46; Redwinged Blackbird, 393; Boat-tailed Grackle, 103; Common Grackle, 36; Cardinal, 24; Painted Bunting, 3; Am. Goldfinch, 47; Rufous-sided Towhee, 1; Savannah Sparrow, 5; Chipping Sparrow, 3. **Total,** 88 species; about 27,523 individuals. (Seen in area count period, but not on count day: White Pelican, Broad-winged Hawk, Pigeon Hawk, Red-headed Woodpecker, Hairy Woodpecker, Downy Woodpecker, Blue-gray Gnatcatcher, Myrtle, Prairie and Yellow-throated Warblers, Rusty Blackbird.)—Mr. and Mrs. J. L. Allison, Mr. and Mrs. John Bunnell, Mr. and Mrs. Robert G. Gibson (compilers), Richard G. Kellogg, Frank Kellogg, Mr. and Mrs. Maurice McErlain, Mrs. C. Baldwin Peck, Mrs. Denton J. Smith, Mr. and Mrs. William Widger.

233. Fort Pierce, Fla. (all points within a 15-mile diameter circle, center on Okeechobee Rd. ¼ mile west of Kirby Loop Rd., including North and South Beaches, part of Indrio Road, 4 miles of Header Canal, all of Midway Road; ocean beach 10%, inlet and tidal flats 15%, Indian River shores 15%, scrub oak and pine woods 15%, ponds and marshes 15%, pasture 20%, jungle and hammock 10%).—Dec. 29; 5:30 a.m. to 7:30 p.m. Overcast; temp. 54° to 68°; wind NW, 0-15 m.p.h. Ten observers in 8 parties. Total party-hours, 83 (60 on foot, 23 by car); total party-miles, 241 (44 on foot, 197 by car). ► Common Loon, 4; Pied-billed Grebe, 6; Brown Pelican, 164; Gannet, 4; Double-crested Cormorant, 42; Anhinga, 5; Great Blue Heron, 28; Green Heron, 3; Little Blue Heron, 27; Cattle Egret, 24; Common Egret, 15; Snowy Egret, 64; Louisiana Heron, 9; Yellow-crowned Night Heron, 3; Wood Ibis, 33; White Ibis, 11; Mottled Duck, 2; Lesser Scaup, 230; Red-breasted Merganser, 6; Turkey Vulture, 32; Black Vulture, 16; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 5; Bald Eagle, 3; Marsh Hawk, 1; Osprey, 23; Sparrow Hawk, 58; Bobwhite, 80; Sandhill Crane, 4; Clapper Rail, 5; Sora, 2; Common Gallinule, 3; Semipalmated Plover, 1; Killdeer, 24; Black-bellied Plover, 15; Ruddy

Turnstone, 71; Common Snipe, 1; Spotted Sandpiper, 4; Willet, 1; Greater Yellowlegs, 4; Dunlin, 16; Western Sandpiper, 1; Sanderling, 126; Herring Gull, 90; Ring-billed Gull, 800; Laughing Gull, 17; Bonaparte's Gull, 25; Forster's Tern, 37; Common Tern, 1; Royal Tern, 300; Sandwich Tern, 10; Caspian Tern, 31; Black Skimmer, 150; Mourning Dove, 88; Ground Dove, 60; Screech Owl, 3; Ruby-throated Hummingbird, 2; Belted Kingfisher, 30; Yellow-shafted Flicker, **72**; Pileated Woodpecker, 2; Red-bellied Woodpecker, 27; Yellow-bellied Sapsucker, 4; Downy Woodpecker, 2; Eastern Phoebe, 30; empidonax (sp.), 1; Tree Swallow, 250; Blue Jay, 38; Scrub Jay, 5; Common Crow, 21; Fish Crow, 800; House Wren, 5; Carolina Wren, 14; Mockingbird, 57; Catbird, 11; Brown Thrasher, 4; Eastern Bluebird, 5; Blue-gray Gnatcatcher, 16; Ruby-crowned Kinglet, 3; Loggerhead Shrike, 31; White-eyed Vireo, 1; Black-and-white Warbler, 1; Orange-crowned Warbler, 1; Myrtle Warbler, 7; Yellow-throated Warbler, 3; Pine Warbler, 6; Prairie Warbler, 2; Palm Warbler, 26; Ovenbird, 3; Yellowthroat, 16; House Sparrow, 2; Eastern Meadowlark, 32; Redwinged Blackbird, 455; Boat-tailed Grackle, 135; Common Grackle, 30; Cardinal, 83; Painted Bunting, 26; Am. Goldfinch, 30; Rufous-sided Towhee, 32; Savannah Sparrow, 2; Chipping Sparrow, 27. **Total,** 101 species; about 5138 individuals. (Seen in area count period, but not on count day: Magnificent Frigate-bird, Sharp-shinned Hawk, Brown-headed Nuthatch, Robin.)—Clara Bates, Mrs. E. H. Carpenter, William Gerold, Sam W. Hardwick, Mrs. L. S. Hubbard, Lyle S. Hubbard (compiler), Virginia J. Hubbard, Veronica E. Sexauer, Mrs. L. H. Schilke, Mrs. Helen M. Vick (St. Lucie Audubon Society and guests).

234. **Jacksonville, Fla.** (all points within a 15-mile diameter circle, center near Fulton as last year; flatwoods 15%, high pineland 9%, hammock, 24%, sea beach 12%, salt marsh 10%, sand dunes 5%, fresh marsh 9%, farmland 2%, mud flats 6%, pasture 2%, swamp 3 %, suburbs 3%.)—Dec. 28; 6 a.m. to 6 p.m. Cloudy; temp. 56° to 51°; wind W, 4-21 m.p.h. Fifteen observers in 6 parties. Total party-hours, 51 (16 on foot, 35 by car); total party-miles, 358 (40 on foot, 318 by car). ► Common Loon, 1; Horned Grebe, 2; Pied-billed Grebe, 20; Brown Pelican, 370; Gannet, 3; Double-crested Cormorant, 87; Anhinga, 3; Great Blue Heron, 34; Green Heron, 1; Little Blue Heron, 20; **Cattle Egret,** 1; Common Egret, 122; Snowy Egret, 12; Louisiana Heron, 11; Black-crowned Night Heron, 351; Blue-winged Teal, 3; Ring-necked Duck, 9; Lesser Scaup, 152; Bufflehead, 1; Ruddy Duck, 10; Hooded Merganser, 5; Red-breasted Merganser, 26; Turkey Vulture, 36; Black Vulture, 17; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 6; Red-shouldered Hawk, 11; Bald Eagle, 1; Marsh Hawk, 1; Sparrow Hawk, 36; Bobwhite, 22; Clapper Rail, 32; Sora, 1; Common Gallinule, 1; Am. Coot, 15; Semipalmated Plover, 3; Piping Plover, 2; Killdeer, 79; Black-bellied Plover, 18; Ruddy Turnstone, 160; Common Snipe, 46; Least Sandpiper, 45; Dunlin, 37; Short-billed Dowitcher, 2; Semipalmated Sandpiper, 45; Western Sandpiper, 35; Sanderling, 122; Herring Gull, 1369; Ring-billed Gull, 3112; Laughing Gull, 143; Bonaparte's Gull, 11; Forster's Tern, 37; Common Tern, 3; **Least Tern, 3 (M. P.)**; Royal Tern, 132; Caspian Tern, 1; Black Skimmer, 251; Mourning Dove, 64; Ground Dove, 28; Barred Owl, 1; Belted Kingfisher, 31; Yellow-shafted Flicker, 62; Pileated Woodpecker, 2; Red-bellied Woodpecker, 29; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 6; Red-cockaded Woodpecker, 2; **Western Kingbird,** 1; Eastern Phoebe, 11; Blue Jay, 49; Common Crow, 1; Fish Crow, 428; Carolina Chickadee, 7; Tufted Titmouse, 38; Brown-headed Nuthatch, 1; House Wren, 2; Carolina Wren, 31; Long-billed Marsh Wren, 4; Mockingbird, 66; Catbird, 6; Brown Thrasher, 9; Robin, 115; Hermit Thrush, 3; Eastern Bluebird, 27; Blue-gray Gnatcatcher, 4; Ruby-crowned Kinglet, 47; Water Pipit, 23; Cedar Waxwing, 175; Loggerhead Shrike, 72; Starling, 250; White-eyed Vireo, 1; Solitary Vireo, 3; Black-and-white Warbler, 3; Orange-crowned Warbler, 17; Myrtle Warbler, 522; Yellow-throated Warbler, 7; Pine Warbler, 2; **Prairie Warbler, 1**; Palm Warbler, 39; Yellowthroat, 16; House Sparrow, 223; Eastern Meadowlark, 167; Redwinged Blackbird, 1367; Rusty Blackbird, 38; Common Grackle, 10; Brown-headed Cowbird, 28; Cardinal, 102; Am. Goldfinch, 90; Rufous-sided Towhee, 54; Savannah Sparrow, 8; Seaside Sparrow, 1; Vesper Sparrow, 13; Chipping Sparrow, 66; Field Sparrow, 11; White-throated Sparrow, 94; Swamp Sparrow, 21; Song Sparrow, 15. **Total,** 119 species; about 11,599 individuals.—Jerry Brewton, Mrs. Beatrice Cultra, Anne Jagatich, Mrs. Rose Forney, Wilbur Gary, Samuel Grimes, Mrs. William Hendrickson, Mrs. Joseph Kelly, Robert Marsh, Reg. McKay (compiler), Maurice Protheroe, Mrs. Maurice Protheroe, Mrs. Henry Robinson, Mrs. Howard Van Buskirk, Mrs. Jane Whiteman.

235. **Jensen Beach, Fla.** (all points within a 15-mile diameter circle, center at Jensen Beach Elementary School; Walton Community Center southeast to Jensen Beach, ocean to western edge of the savannah; ocean and beach 25%, causeway and tidal flats 15%, salt-water sound and shore 20%, scrub oak 5%, jungle and hammock 10%, fresh-water ponds and marsh 25%).—Dec. 31; 8 a.m. to 5:30 p.m. Cloudy; temp. 65° to 72°; wind E, 10-15 m.p.h. Three observers in 1 party. Total party-hours, 9½ (6½ on foot, 3 by car); total party-miles, 49 (4 on foot, 45 by car). ► Common Loon, 2; Pied-billed Grebe, 3; Brown Pelican, 198; Gannet, 1; Double-crested Cormorant, 104; Anhinga, 7; Magnificent Frigate-bird, **12**; Great Blue Heron, 9; Green Heron, 1; Little Blue Heron, 4; Common Egret, 8; Snowy Egret, 5; Louisiana Heron, 2; Yellow-crowned Night Heron, 2; White Ibis, 6; Lesser Scaup, 2; Red-breasted Merganser, 14; Turkey Vulture, 15; Red-shouldered Hawk, 1; Bald Eagle, 1; Marsh Hawk, 2; Osprey, 9; Sparrow Hawk, 18; Sandhill Crane, 5; Common Gallinule, 5; Am. Coot, 2; Piping Plover, 1; Black-bellied Plover, 11; Ruddy Turn-

stone, 12; Dunlin, 8; Semipalmated Sandpiper, 5; Western Sandpiper, 1; Sanderling, 24; Herring Gull, 87; Ring-billed Gull, 128; Laughing Gull, 11; Bonaparte's Gull, 3; Forster's Tern, 2; Royal Tern, 232; Caspian Tern, 57; Black Skimmer, 51; Mourning Dove, 3; Ground Dove, 5; Ruby-throated Hummingbird, 1; Belted Kingfisher, 6; Yellow-shafted Flicker, 4; Red-bellied Woodpecker, 9; Eastern Phoebe, 2; Tree Swallow, 15; Blue Jay, 13; Carolina Wren, 2; Mockingbird, 13; Loggerhead Shrike, 6; Palm Warbler, 2; Yellowthroat, 1; Eastern Meadowlark, 1; Redwinged Blackbird, 61; Boat-tailed Grackle, 1; Cardinal, 8; Rufous-sided Towhee, 1. **Total,** 60 species; about 1225 individuals. (Seen in area count period, but not on count day: Scrub Jay, Fish Crow, Blue-gray Gnatcatcher.)—Esther R. Hubbard, Lyle S. Hubbard (compiler), Virginia J. Hubbard.

236. Key West, Fla. (all points within a 15-mile diameter circle, center on Boca Chica Key, including Key West, Stock Island, Saddlebunch Keys; mud flats 15%, mangrove 10%, beaches, waterfront, docks 50%, hammock 15%, open fields, sanctuary, golf course 10%).—Jan. 1; 6:45 a.m. to 7 p.m. Partly cloudy; temp. 78° to 71°; wind S, 10 m.p.h. Nine observers in 3 parties. Total party-hours, 34 (9 on foot, 25 by car); total party-miles, 82 (8 on foot, 76 by car). ► Pied-billed Grebe, 2; Brown Pelican, 49; Double-crested Cormorant, 48; Magnificent Frigate-bird, 24; Great White Heron, 10; Great Blue Heron, 8; Würdemann's Heron, 1; Green Heron, 3; Little Blue Heron, 18; Cattle Egret, 1; Common Egret, 9; Snowy Egret, 19; Louisiana Heron, 49; Yellow-crowned Night Heron, 5; Lesser Scaup, 2; Red-breasted Merganser, 205; Turkey Vulture, 38; Broad-winged Hawk, 1; Marsh Hawk, 3; Osprey, 7; Sparrow Hawk, 43; Clapper Rail, 2; Am. Coot, 4; Semipalmated Plover, 504; Wilson's Plover, 2; Killdeer, 6; Black-bellied Plover, 17; Ruddy Turnstone, 45; Spotted Sandpiper, 2; Willet, 25; Greater Yellowlegs, 8; Lesser Yellowlegs, 9; Least Sandpiper, 9; Short-billed Dowitcher, 25; Semipalmated Sandpiper, 265; Sanderling, 16; Am. Avocet, 7; Herring Gull, 59; Ring-billed Gull, 861; Laughing Gull, 665; Bonaparte's Gull, 8; Forster's Tern, 19; Common Tern, 1; Royal Tern, 220; Caspian Tern, 3; Black Skimmer, 42; Ground Dove, 8; Chuck-will's-widow, 1; Ruby-throated Hummingbird, 2; Belted Kingfisher, 19; Red-bellied Woodpecker, 3; Western Kingbird, 4; Scissor-tailed Flycatcher, **8**; House Wren, 1; Mockingbird, 11; Catbird, 7; Blue-gray Gnatcatcher, 16; Solitary Vireo, 1; Black-and-white Warbler, 2; Parula Warbler, 2; Myrtle Warbler, 4; Yellow-throated Warbler, 3; Prairie Warbler, 18; Palm Warbler, 103; Northern Waterthrush, 3; Yellowthroat, 5; Am. Redstart, 3; House Sparrow, 22; Redwinged Blackbird, 101; Cardinal, 3; Painted Bunting, 16; Savannah Sparrow, 3; Grasshopper Sparrow, 2. **Total,** 72 species (1 additional hybrid); about 3740 individuals. (Seen in area count period, but not on count day: Barn Owl, Yellow-bellied Sapsucker, Indigo Bunting.)—Mrs. Christine Bonney, Mrs. Marie P. Cobb, Mrs. J. H. Comby, J. H. Comby, Mrs. Mary Crane, Mrs. Frances Hames, Donald Heinly, Mrs. Geraldine Oleson, George B. Stevenson (compiler).

237. Lower Keys, Fla. (all points within a 15-mile diameter circle, center Big Pine Key; keys and connecting bridges along Overseas Highway from west end of Seven Mile Bridge through Cudjoe Key; beaches, sand bars, ocean, gulf 30%, salt-water ponds and mud flats 30%, mangrove swamps 20%, pine-palm forest 15%, tropical hammock 5%).—Dec. 27; 6:45 a.m. to 6 p.m. Light showers, clearing p.m.; temp. 68° to 83°; wind W, 3 m.p.h. Seven observers in 2 parties. Total party-hours, 21 (11 on foot, 10 by car); total party-miles, 100 (8 on foot, 92 by car). ► Common Loon, 1; Pied-billed Grebe, 4; Brown Pelican, 24; Double-crested Cormorant, 149; Magnificent Frigate-bird, 35; Great White Heron, 21; Great Blue Heron, 10; Würdemann's Heron, 2; Green Heron, 3; Little Blue Heron, 15; Common Egret, 7; Snowy Egret, 1; Louisiana Heron, 37; Yellow-crowned Night Heron, 12; Am. Widgeon, 30; Lesser Scaup, 2; Red-breasted Merganser, 39; Turkey Vulture, 37; Cooper's Hawk, 1; Red-shouldered Hawk, 10; Broad-winged Hawk, 2; Marsh Hawk, 1; Osprey, 7; Sparrow Hawk, 45; Am. Coot, 1; Semipalmated Plover, 118; Wilson's Plover, 32; Killdeer, 4; Black-bellied Plover, 51; Ruddy Turnstone, 123; Spotted Sandpiper, 5; Willet, 10; Greater Yellowlegs, 6; Lesser Yellowlegs, 15; Least Sandpiper, 35; Dunlin, 2; dowitcher (sp.), 154; Semipalmated Sandpiper, 22; Western Sandpiper, 4; Sanderling, 100; Herring Gull, 6; Ring-billed Gull, 35; Laughing Gull, 88; Forster's Tern, 1; Royal Tern, 397; Sandwich Tern, 3; Caspian Tern, 3; Black Skimmer, 6; Ground Dove, 4; Barn Owl, 1; Ruby-throated Hummingbird, 1; Belted Kingfisher, 30; Red-bellied Woodpecker, 7; Yellow-bellied Sapsucker, 2; House Wren, 4; Mockingbird, 13; Catbird, 1; Blue-gray Gnatcatcher, 16; White-eyed Vireo, 2; Black-and-white Warbler, 1; Parula Warbler, 2; Yellow-throated Warbler, 4; Prairie Warbler, 19; Palm Warbler, 103; Northern Waterthrush, 2; Yellowthroat, 18; Am. Redstart, 1; Redwinged Blackbird, 99; Cardinal, 17; Savannah Sparrow, 4. **Total,** 69 species (1 additional hybrid); about 2065 individuals.—Mrs. Christine A. Bonney, H. Storrs Brigham, Jr., Mrs. Francis V. Crane (compiler), Howard P. Gilmore, William B. Robertson, Jr., Mrs. William B. Robertson, Jr., George B. Stevenson.

238. Panacea, Fla. (all points within a 15-mile diameter circle, center 2 miles SSE of Panacea; essentially same coverage as for last 3 years).—Dec. 20; 6:30 a.m. to 6:30 p.m. Partly cloudy; temp. 36° to 70°; wind NNW, 5-15 m.p.h. Thirteen observers in 7 parties. Total party-hours, 61 (38 on foot, 12½ by car, 10½ by boat); total party-miles, 189 (41 on foot, 125 by car, 23 by boat). ► Common Loon, 138; Horned Grebe, **195**; Pied-billed Grebe, 19; Brown Pelican, 4; Gannet, 5; Double-crested Cormorant, 71; Anhinga, **10**; Great Blue Heron, 17; Little Blue Heron, 13; Common Egret, 19; Snowy Egret, 1; Louisiana Heron, **32**; White Ibis, **35**; Canada Goose, **1200**; Mallard, 45; Black Duck, 23; Pintail, 55; Blue-winged Teal, **4**; Am. Widgeon, **420**; Wood Duck,

85; Redhead, 660; Ring-necked Duck, 80; Canvasback, 3; Lesser Scaup, 60; scaup (sp.), 5500; Common Goldeneye, 55; Bufflehead, **135**; **Oldsquaw, 1**; **White-winged Scoter, 1**; **Surf Scoter, 1**; **Common Scoter, 4** (carefully studied—L. W.); Hooded Merganser, 11; Red-breasted Merganser, 85; diving ducks (sp.), 1000; Turkey Vulture, 37; Black Vulture, 69; Sharp-shinned Hawk, 1; Red-tailed Hawk, **5**; Red-shouldered Hawk, **11**; Bald Eagle, 2; Marsh Hawk, 1; Osprey, 1; Sparrow Hawk, **23**; Clapper Rail, 6; Sora, 1; Am. Coot, 9; Semipalmated Plover, 5; Piping Plover, 4; Snowy Plover, 3; Wilson's Plover, 3; Killdeer, 22; Black-bellied Plover, 31; Common Snipe, 2; Spotted Sandpiper, 2; Willet, 75; Greater Yellowlegs, 18; Knot, 17; Dunlin, 350; Short-billed Dowitcher, 3; Semipalmated Sandpiper, 2; Western Sandpiper, 20; Marbled Godwit, 1; Sanderling, 110; **Parasitic Jaeger, 1** (L. W.); Herring Gull, **260**; Ring-billed Gull, 560; Laughing Gull, 33; Bonaparte's Gull, 3; Forster's Tern, 140; Royal Tern, 29; Caspian Tern, 2; Black Skimmer, 8; Mourning Dove, 23; Ground Dove, 6; Screech Owl, 3; Belted Kingfisher, 25; Yellow-shafted Flicker, 37; Pileated Woodpecker, 12; Red-bellied Woodpecker, **44**; Red-headed Woodpecker, 4; Yellow-bellied Sapsucker, 8; Hairy Woodpecker, 1; Downy Woodpecker, 13; Red-cockaded Woodpecker, 4; Eastern Phoebe, 25; Tree Swallow, 40; Blue Jay, 51; Common Crow, 60; Fish Crow, 145; crow (sp.), 300; Carolina Chickadee, 30; Tufted Titmouse, 38; Brown-headed Nuthatch, 25; Brown Creeper, 2; House Wren, 15; Carolina Wren, **48**; Long-billed Marsh Wren, 9; Short-billed Marsh Wren, 2; marsh wren (sp.), 3; Mockingbird, 24; Catbird, 3; Brown Thrasher, 33; Robin, 790; Eastern Bluebird, 4; Blue-gray Gnatcatcher, 1; Ruby-crowned Kinglet, 55; Cedar Waxwing, 40; Loggerhead Shrike, 11; Starling, 100; Orange-crowned Warbler, 4; Myrtle Warbler, 330; Yellow-throated Warbler, 1; Pine Warbler, 25; Palm Warbler, 2; Yellowthroat, 7; House Sparrow, 10; Eastern Meadowlark, 7; Red-winged Blackbird, 1250; **Rusty Blackbird, 1**; Boat-tailed Grackle, **125**; Common Grackle, 55; Cardinal, 46; Purple Finch, 1; **Pine Siskin, 1** (H. S.); Am. Goldfinch, **355**; Rufous-sided Towhee, 141; Savannah Sparrow, 1; Sharp-tailed Sparrow, 1; Seaside Sparrow, 1; Vesper Sparrow, 6; Bachman's Sparrow, 1; Chipping Sparrow, 45; Field Sparrow, 12; White-throated Sparrow, 65; Swamp Sparrow, 7; Song Sparrow, 32. **Total,** 132 species; about 16,423 individuals.—Mr. and Mrs. Arthur C. Borror, Jack Dozier, Horace G. Loftin, Larry C. Oglesby, Storrs Olson, William P. Randel, Sr. and Jr., Ernest H. Stevenson, Henry M. Stevenson (compiler), Richard Waller, June Watford, Lovett E. Williams.

239. Pensacola, Fla. (all points within a 15-mile diameter circle, center in Pensacola Bay 1 mile east of Magnolia Bluff as in past 3 years; city and suburban 8%, bay shores and open bay 21%, scrub oak 2%, Live Oak and deciduous woods 20%, pine woods 16%, pasture and cut-over woods 21%, wooded swamps 2%, fresh-water ponds 4%, salt and brackish marsh 4%, Gulf beach and dunes 2%).—Dec. 27; 6:30 a.m. to 5 p.m. Showers a.m., clear 2 hrs. around noon; temp. 44° to 57°; wind NE, 16-4 m.p.h. Ten observers in 4 parties. Total party-hours, 37 (16 on foot, 21 by car); total party-miles, 221 (11 on foot, 210 by car). ► Common Loon, 260; Horned Grebe, 32; Pied-billed Grebe, 16; Gannet, 9; Double-crested Cormorant, 262; Great Blue Heron, 11; Common Egret, 1; Wood Duck, 4; Redhead, 133; Canvasback, 8; **Greater Scaup, 3** (B. M.); Lesser Scaup, 780; Common Goldeneye, 28; Bufflehead, 56; **Surf Scoter, 1** (J. B., F. W.); Hooded Merganser, 3; Red-breasted Merganser, 200; Turkey Vulture, 10; Black Vulture, 5; accipiter (sp.), 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 3; Marsh Hawk, 5; Sparrow Hawk, 19; Clapper Rail, 1; Am. Coot, 1; Semipalmated Plover, 1; Piping Plover, 2; Killdeer, 44; Black-bellied Plover, 12; Am. Woodcock, 2; Common Snipe, 5; Spotted Sandpiper, 1; Willet, 3; Greater Yellowlegs, 2; Dunlin, 2; Sanderling, 102; Herring Gull, 218; Ring-billed Gull, 490; Laughing Gull, 195; Bonaparte's Gull, 617; **Little Gull, 1** (collected, new for Florida—B. M.); Forster's Tern, 62; Common Tern, 2; Royal Tern, 43; Sandwich Tern, **10**; Mourning Dove, 100; Screech Owl, 1; Belted Kingfisher, 18; Yellow-shafted Flicker, 33; Pileated Woodpecker, 2; Red-bellied Woodpecker, 13; Red-headed Woodpecker, 7; Yellow-bellied Sapsucker, 3; Downy Woodpecker, 7; **Western Kingbird, 1**; Eastern Phoebe, 15; Blue Jay, 275; Common Crow, 40; Fish Crow, 185; Carolina Chickadee, 19; Tufted Titmouse, 39; Brown-headed Nuthatch, 5; Brown Creeper, 2; House Wren, 7; Winter Wren, 2; Bewick's Wren, 1; Carolina Wren, 22; Long-billed Marsh Wren, 5; Short-billed Marsh Wren, 43; Mockingbird, 71; Catbird, 1; Brown Thrasher, 15; Robin, 77; Hermit Thrush, 5; Eastern Bluebird, 32; Blue-gray Gnatcatcher, 20; Golden-crowned Kinglet, 7; Ruby-crowned Kinglet, 52; Water Pipit, 11; Cedar Waxwing, 22; Loggerhead Shrike, 26; Starling, 198; Black-and-white Warbler, 1; Orange-crowned Warbler, 14; Myrtle Warbler, 396; Yellow-throated Warbler, 6; Pine Warbler, 35; Palm Warbler, 30 (2 races); Yellowthroat, 8; House Sparrow, 72; Eastern Meadowlark, 107; **Western Meadowlark, 1** (B. M.); Redwinged Blackbird, 20,512; Rusty Blackbird, 1; Brewer's Blackbird, 75; Common Grackle, 730; Brown-headed Cowbird, 500; Cardinal, 44; Purple Finch, 2; Am. Goldfinch, 33; Rufous-sided Towhee, 114; Savannah Sparrow, 18; Le Conte's Sparrow, 2 (B. M.); Henslow's Sparrow, 2; Sharp-tailed Sparrow, 1; Seaside Sparrow, 6; Vesper Sparrow, 16; Bachman's Sparrow, 3; Chipping Sparrow, 95; Field Sparrow, 66; White-throated Sparrow, 313; Swamp Sparrow, 46; Song Sparrow, 17. **Total,** 114 species (1 additional race); about 28,316 individuals. (Seen in area count period, but not on count day: **Oldsquaw, Rufous Hummingbird**; absence of Brown Pelicans unprecedented.)—Joyce T. Baxter, Frank Bray, Lyman E. Goodnight, Angus M. McMillan, Jr., Burt L. Monroe, Jr., Lennie E. Pate, Alan C. Sheppard, Maleta M. Wernicke, Francis M. Weston (compiler), A. Frederick Wicke, Jr.

240. St. Marks, Fla. (all points within a 15-mile diameter circle, center 1 mile south of St. Marks; essentially same coverage as for last 3 years).—Jan. 1;

6:30 a.m. to 6:25 p.m. Completely overcast, occasional light showers, some fog; temp. 62° to 68°; wind SE, 5-25 m.p.h. Fifteen observers in 8 parties. Total party-hours, 81 (46 on foot, 15½ by car, 19½ by boat); total party-miles, 302 (37 on foot, 233 by car, 32 by boat). ► Common Loon, 50; **Red-throated Loon, 1** (Zerbe party); Horned Grebe, 95; Pied-billed Grebe, 105; Double-crested Cormorant, 250; Anhinga, 56; Great Blue Heron, 61; Little Blue Heron, **238**; Common Egret, 220; Snowy Egret, **113**; Louisiana Heron, **101**; Black-crowned Night Heron, 2; **Yellow-crowned Night Heron, 1**; Am. Bittern, 2; White Ibis, 45; Canada Goose, 8200; Blue Goose, 12; Mallard, 700; Black Duck, 33; Gadwall, 420; Pintail, 640; Green-winged Teal, 135; Blue-winged Teal, 11; Am. Widgeon, 390; Shoveler, 23; Wood Duck, 95; Redhead, 120; Ring-necked Duck, 123; Canvasback, 36; Greater Scaup, 2; Lesser Scaup, 275; scaup (sp.), 600; Common Goldeneye, 55; Bufflehead, 130; **Surf Scoter, 2**; scoter (sp.), 3; Ruddy Duck, 35; Hooded Merganser, 44; Red-breasted Merganser, 130; Turkey Vulture, 112; Black Vulture, **250**; Cooper's Hawk, 1; Red-tailed Hawk, 9; Red-shouldered Hawk, 8; Bald Eagle, 12; Marsh Hawk, 19; Sparrow Hawk, 15; Bobwhite, 8; Limpkin, **16**; King Rail, 1; Clapper Rail, 20; Virginia Rail, 2; Sora, **18**; Common Gallinule, 16; Am. Coot, 2100; Am. Oystercatcher, 2; Semipalmated Plover, 13; Piping Plover, 1; Killdeer, 64; Black-bellied Plover, 25; Ruddy Turnstone, 50; Common Snipe, 50; Whimbrel, 3; Willet, **325**; Greater Yellowlegs, 29; Lesser Yellowlegs, 5; Knot, **4**; Least Sandpiper, 19; Dunlin, **950**; Short-billed Dowitcher, 70; **Long-billed Dowitcher, 5** (B. M.); dowitcher (sp.), 260; Semipalmated Sandpiper, **360**; Western Sandpiper, 20; Sanderling, 16; small sandpipers (sp.), 70; Parasitic Jaeger, 1; Herring Gull, 170; Ring-billed Gull, 210; Laughing Gull, 9; Bonaparte's Gull, **4**; Forster's Tern, **65**; Common Tern, 5; Royal Tern, **14**; Caspian Tern, 2; Black Skimmer, 5; Mourning Dove, 145; Ground Dove, 8; Screech Owl, **4**; Great Horned Owl, 2; Barred Owl, 9; **Whip-poor-will, 2**; Belted Kingfisher, 53; Yellow-shafted Flicker, 72; Pileated Woodpecker, 27; Red-bellied Woodpecker, 44; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 13; Hairy Woodpecker, 3; Downy Woodpecker, 17; **Western Kingbird, 1**; Eastern Phoebe, 30; Tree Swallow, 21; **Barn Swallow, 1** (seen well—B. M.); Blue Jay, 48; Common Crow, 117; Fish Crow, 84; crow (sp.), 10; Carolina Chickadee, 33; Tufted Titmouse, 29; Brown-headed Nuthatch, 22; Brown Creeper, 3; House Wren, 8; Winter Wren, 3; **Bewick's Wren, 3**; Carolina Wren, 44; Long-billed Marsh Wren, 21; Short-billed Marsh Wren, 4; Mockingbird, 30; Catbird, 3; Brown Thrasher, 13; Robin, 1100; Hermit Thrush, 2; Eastern Bluebird, 6; Blue-gray Gnatcatcher, 16; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 76; Water Pipit, 50; Cedar Waxwing, 260; Loggerhead Shrike, 6; Starling, 170; White-eyed Vireo, 4; Solitary Vireo, 1; Black-and-white Warbler, 7; Orange-crowned Warbler, 12; Myrtle Warbler, 890; Yellow-throated Warbler, 2; Pine Warbler, **58**; Palm Warbler, 3; Yellowthroat, 49; House Sparrow, **43**; Eastern Meadowlark, 60; Redwinged Blackbird, 2800; Boat-tailed Grackle, **630**; Common Grackle, 25; Cardinal, 88; Purple Finch, 4; Am. Goldfinch, 75; Rufous-sided Towhee, 126; Savannah Sparrow, 65; **Henslow's Sparrow, 1**; Sharp-tailed Sparrow, 13; Seaside Sparrow, 4; Vesper Sparrow, 16; Bachman's Sparrow, 1; Slate-colored Junco, 1; Chipping Sparrow, 25; Field Sparrow, 15; White-throated Sparrow, 100; Swamp Sparrow, 59; Song Sparrow, 37. **Total,** 156 species; about 26,817 individuals. (Seen in area count period, but not on count day: Brown Pelican, Lark Sparrow.)—Arthur C. Borror, Eugene Cypert, Mary Louise Cypert, Jack Dozier, George Kontis, Charlene Long, Burt L. Monroe, Jr., Storrs Olson, Ernest H. Stevenson, Henry M. Stevenson (compiler), Mrs. Frank H. Stoutamire, Mrs. James R. Warren, Lovett E. Williams, Mr. and Mrs. Karl Zerbe.

241. St. Petersburg, Fla. (all points within a 15-mile diameter circle, including all of Pinellas Peninsula south of Largo; bay and lake shore 40%, woods 20%, fields and pastures 20%, marshes 5%, highways 5%, citrus 2%, residential 8%).—Dec. 27; 6:45 a.m. to 5:30 p.m. Rain all day; temp. 60° to 68°; wind E to NE, 0-10 m.p.h. Twenty-six observers in 11 parties. Total party-hours, 69 (23 on foot, 46 by car); total party-miles, 281 (25 on foot, 256 by car). ► Common Loon, 8; Horned Grebe, 40; Pied-billed Grebe, 20; Brown Pelican, 336; Double-crested Cormorant, 444; Anhinga, 37; Magnificent Frigate-bird, 1; Great Blue Heron, 70; Green Heron, 10; Little Blue Heron, 83; Cattle Egret, 2; Common Egret, 64; Snowy Egret, 49; Louisiana Heron, 36; Black-crowned Night Heron, 6; Yellow-crowned Night Heron, 25; Am. Bittern, 1; Wood Ibis, 2; White Ibis, 173; Mallard, 4; Mottled Duck, 5; Gadwall, 3; Pintail, 105; Blue-winged Teal, 6; Am. Widgeon, 2; Wood Duck, 1; Ring-necked Duck, 90; Canvasback, 1; Lesser Scaup, 3885; Ruddy Duck, 7; Red-breasted Merganser, 67; Turkey Vulture, 35; Black Vulture, 2; Sharp-shinned Hawk, 2; Cooper's Hawk, 2; Red-shouldered Hawk, 2; Bald Eagle, 11; Marsh Hawk, 14; Peregrine Falcon, 1; Pigeon Hawk, 1; Sparrow Hawk, 19; Bobwhite, 95; Clapper Rail, 4; Virginia Rail, 3; Common Gallinule, 83; Am. Coot, 144; Semipalmated Plover, 59; Piping Plover, 16; Snowy Plover, 14; Wilson's Plover, 42; Killdeer, 224; Black-bellied Plover, 124; Ruddy Turnstone, 73; Common Snipe, 30; **Long-billed Curlew, 2**; Whimbrel, 4; Spotted Sandpiper, 32; Willet, 434; Greater Yellowlegs, 13; Lesser Yellowlegs, 17; Knot, 517; Least Sandpiper, 43; Dunlin, 112; Short-billed Dowitcher, 74; Semipalmated Sandpiper, 226; Western Sandpiper, 66; Marbled Godwit, 6; Sanderling, 74; Herring Gull, 701; Ring-billed Gull, 12,880; Laughing Gull, 1185; Bonaparte's Gull, 5; Forster's Tern, 221; Common Tern, 1; Royal Tern, 416; Sandwich Tern, **68**; Caspian Tern, 3; Black Skimmer, 827; Mourning Dove, 1793; Ringed Turtle Dove, 31; Ground Dove, 65; Belted Kingfisher, 52; Yellow-shafted Flicker, 74; Red-bellied Woodpecker, 58; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 2; Downy Woodpecker, 1; Eastern Phoebe, 5; Tree Swallow, 1; Blue Jay, 132; Fish Crow, 793; Tufted Titmouse, 1; House Wren, 2; Carolina Wren, 8; Long-billed Marsh Wren, 4; Short-billed Marsh

Wren, 2; Mockingbird, 184; Catbird, 15; Brown Thrasher, 2; Robin, 3; Eastern Bluebird, 16; Blue-gray Gnatcatcher, 3; Water Pipit, 154; Loggerhead Shrike, 96; Starling, 151; White-eyed Vireo, 1; Orange-crowned Warbler, 1; Myrtle Warbler, 105; Pine Warbler, 2; Prairie Warbler, 3; Palm Warbler, 130; **Northern Waterthrush, 1**; Yellowthroat, 12; House Sparrow, 578; Eastern Meadowlark, 246; Redwinged Blackbird, 2241; Boat-tailed Grackle, 531; Common Grackle, 65; Brown-headed Cowbird, 347; Cardinal, 32; Am. Goldfinch, 25; Rufous-sided Towhee, 53; Savannah Sparrow, 130; Field Sparrow, 1; Swamp Sparrow, 6; Song Sparrow, 13. **Total,** 126 species; about 32,683 individuals. (Seen in area count period, but not on count day: White Pelican, Bufflehead, Am. Oystercatcher, **Yellow Warbler.**)—Mr. and Mrs. Edward Buchwald, Mr. and Mrs. Carmichael, A. E. Davidson, Mr. and Mrs. D. F. Dodd, Ken Dubky, Louise Forsyth, Bob Hamilton, Mrs. Hanrahan, Mrs. Heron, Winnie Horn, Evie Kelley, Elizabeth Leach, Christie Mason, Mary Lou Mills, Gary Minor, Daisie M. Morrison (compiler), Carl C. Rider, Harry Slocum, Frances Smith, Mr. and Mrs. J. F. Stevens, Mrs. Fred Zeitler, Olga Zurcher.

242. **Sarasota, Fla.** (all points within a 15-mile diameter circle, center 1 mile north of previous counts, at 3.9 miles east of intersection of Tamiami Trail and Bee Ridge Road; gulf beach 11%, bay shore 22%, residential area 10%, pine woods 6%, mixed woods 6%, fresh-water ponds 5%, ranches and farmlands 40%).—Dec. 28; 5:30 a.m. to 6 p.m. Cloudy, brief shower early a.m.; temp. 59° to 69°; wind N, 5-7 m.p.h. Twenty observers in 8 parties. Total party-hours, 70½ (30 on foot, 39 by car, 1½ by boat); total party-miles, 318½ (22 on foot, 295 by car, 1½ by boat). ► Common Loon, 1; Pied-billed Grebe, 30; Brown Pelican, 345; Double-crested Cormorant, 390; Anhinga, 18; Great Blue Heron, 40; Green Heron, 3; Little Blue Heron, 102; Cattle Egret, **42**; Common Egret, 105; Snowy Egret, 156; Louisiana Heron, 34; Yellow-crowned Night Heron, 4; Am. Bittern, 1; Wood Ibis, 1; White Ibis, 238; **Blue Goose, 7** (all adults—C. P.); Mottled Duck, 28; Blue-winged Teal, 1; Ring-necked Duck, 59; **Canvasback, 5**; Lesser Scaup, 400; Red-breasted Merganser, 259; Turkey Vulture, 90; Black Vulture, 133; Sharp-shinned Hawk, 2; Red-tailed Hawk, 7; Red-shouldered Hawk, 14; Bald Eagle, 3; Marsh Hawk, 9; Osprey, 1; Sparrow Hawk, 76; Bobwhite, 191; Sandhill Crane, 28; Sora, 3; Common Gallinule, 12; Am. Coot, 56; Semipalmated Plover, 3; Wilson's Plover, 3; Killdeer, 42; Black-bellied Plover, 38; Ruddy Turnstone, 35; Common Snipe, 52; Spotted Sandpiper, 8; Willet, 11; Greater Yellowlegs, 8; Lesser Yellowlegs, 6; Knot, 220; Least Sandpiper, 12; Dunlin, 29; Short-billed Dowitcher, 22; Semipalmated Sandpiper, 24; Western Sandpiper, 5; Sanderling, 293; Herring Gull, 300; Ring-billed Gull, 1500; Laughing Gull, 91; Bonaparte's Gull, 1; Forster's Tern, 30; Royal Tern, 203; Sandwich Tern, 13; Black Skimmer, 110; Mourning Dove, 450; Ground Dove, 107; Great Horned Owl, 2; Barred Owl, 1; Belted Kingfisher, 35; Yellow-shafted Flicker, 40; Pileated Woodpecker, 3; Red-bellied Woodpecker, 47; Red-headed Woodpecker, 20; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 5; Eastern Phoebe, 8; Tree Swallow, 700+; Blue Jay, 51; Scrub Jay, 18; Common Crow, 21; Fish Crow, 186; Tufted Titmouse, 16; House Wren, 4; Carolina Wren, 4; Long-billed Marsh Wren, 1; Short-billed Marsh Wren, 1; Mockingbird, 172; Catbird, 4; Brown Thrasher, 1; Eastern Bluebird, 20; Blue-gray Gnatcatcher, 20; Ruby-crowned Kinglet, 1; Water Pipit, 2; Loggerhead Shrike, 117; Starling, 176; Solitary Vireo, 1; Black-and-white Warbler, 3; Orange-crowned Warbler, 1; Myrtle Warbler, 27; Yellow-throated Warbler, 4; Pine Warbler, **25**; Prairie Warbler, 2; Palm Warbler, 121; Yellowthroat, 16; House Sparrow, 600; Eastern Meadowlark, 151; Redwinged Blackbird, 2775; **Baltimore Oriole, 1**; Boat-tailed Grackle, 259; Common Grackle, 360; Brown-headed Cowbird, 350; Cardinal, 98; Painted Bunting, 4; Am. Goldfinch, 13; Rufous-sided Towhee, 25; Savannah Sparrow, 30; Chipping Sparrow, 76; Swamp Sparrow, 6. **Total,** 116 species; about 13,135 individuals. (Seen in area count period, but not on count day: Horned Grebe, Pintail, Hooded Merganser, Caracara, Screech Owl.)—Charles W. Atwood, Mr. and Mrs. L. Roy Brace, Mrs. Leon H. Brown, Mr. and Mrs. Hewitt Crosby, George Dillman, Guy H. Goodman, Mr. and Mrs. W. H. Hartman, Mr. and Mrs. Orrin W. Letson, Dorothea Marston, Mr. and Mrs. Joshua Platt, Charles P. Preston (compiler), Mr. and Mrs. Chandler Robbins, Jr., Mrs. Horace Sturgis, Margaret Sturgis (Sarasota Bird Club and guests).

243. **Tangerine–Mount Dora, Fla.** (all points within a 15-mile diameter circle, including Lake Shore Drive, Mount Dora, Tangerine, Trimble Park, Lake Jem area; lake shore, scrub, orange groves, urban, pineland).—Dec. 29; 7:30 a.m. to 5:30 p.m. Cloudy, clearing p.m.; temp. 55° to 65°; wind NE, 10-20 m.p.h. Four observers in 2 parties. Total party-hours, 15 (8 on foot, 7 by car); total party-miles, 89 (5 on foot, 84 by car). ► Pied-billed Grebe, 17; Double-crested Cormorant, 1; Anhinga, 4; Great Blue Heron, 5; Green Heron, 4; Little Blue Heron, 3; Common Egret, 18; Snowy Egret, 8; Louisiana Heron, 8; Wood Ibis, 5; Ring-necked Duck, 6; Canvasback, 22; Lesser Scaup, 200; Ruddy Duck, 30; Turkey Vulture, 4; Black Vulture, 6; Marsh Hawk, 1; Sparrow Hawk, 15; Bobwhite, 21; Common Gallinule, 1; Am. Coot, 157; Killdeer, 60; Semipalmated Sandpiper, 1; Herring Gull, 3; Ring-billed Gull, 86; **Common Tern, 4**; Mourning Dove, 24; Ground Dove, 16; Belted Kingfisher, 7; Yellow-shafted Flicker, 6; Red-bellied Woodpecker, 14; Downy Woodpecker, 1; Eastern Phoebe, 26; Tree Swallow, 10; Blue Jay, 60; Scrub Jay, 2; Common Crow, 1; Fish Crow, 9; Tufted Titmouse, 6; House Wren, 1; Carolina Wren, 5; Mockingbird, 42; Brown Thrasher, 4; Blue-gray Gnatcatcher, 12; Ruby-crowned Kinglet, 3; Loggerhead Shrike, 36; **Yellow-throated Vireo, 1**; Black-and-white Warbler, 1; Orange-crowned Warbler, 1; Myrtle Warbler, 215; Yellow-throated Warbler, 1; Palm Warbler, 32; Yellowthroat, 2; House Sparrow, 56; Eastern Meadowlark, 22; Redwinged Blackbird, 675; Boat-tailed Grackle, 86; Cardinal, 39; Am. Goldfinch,

7; Rufous-sided Towhee, 7; Chipping Sparrow, 1; White-throated Sparrow, 3; Swamp Sparrow, 1. **Total,** 63 species; about 2125 individuals.—Dorcas Brigham, Mrs. Robert Drury, Mrs. H. B. Hosford, Mrs. J. L. Moody (compiler).

244. Titusville–Merritt Island, Fla. (all points within a 15-mile diameter circle, center same as in previous years; beach 1%, lagoons, ponds, adjacent marshlands 60%, pinelands 8%, scrub 4%, palmetto 2%, Indian River shores 25%).—Dec. 26; 7 a.m. to 5 p.m. Rain all day; temp. 50° to 60°; wind NE, 20-35 m.p.h. Eleven observers in 4 parties. Total party-hours, 39 (9 on foot, 30 by car); total party-miles, 166 (6 on foot, 160 by car). ► Common Loon, 4; Horned Grebe, 31; Pied-billed Grebe, 131; Brown Pelican, 124; Gannet, 18; Double-crested Cormorant, 180; Great Blue Heron, 38; Green Heron, 7; Little Blue Heron, 125; Common Egret, 162; Snowy Egret, 138; Louisiana Heron, 61; Am. Bittern, 1; Wood Ibis, 9; White Ibis, 16; Mottled Duck, 6; Pintail, 2; Green-winged Teal, 6; Blue-winged Teal, 13; **European Widgeon, 2** (C. R. M.); Am. Widgeon, 13; Ring-necked Duck, 17; Canvasback, 2; Lesser Scaup, 4000+; Ruddy Duck, 1; Hooded Merganser, 12; Red-breasted Merganser, 18; Red-shouldered Hawk, 2; Marsh Hawk, 16; Sparrow Hawk, 40; Bobwhite, 4; King Rail, 1; Clapper Rail, 1; Sora, 2; Common Gallinule, 3; Am. Coot, 86; Killdeer, 35; Ruddy Turnstone, 67; Common Snipe, 6; Spotted Sandpiper, 4; Willet, 1; Greater Yellowlegs, 17; Lesser Yellowlegs, 4; **Pectoral Sandpiper, 3** (C. R. M.); Least Sandpiper, 1; Dunlin, 7; Sanderling, 43; **Parasitic Jaeger, 2** (C. R. M.); Herring Gull, 64; Ring-billed Gull, 915; Laughing Gull, 107; Bonaparte's Gull, 72; Forster's Tern, 40; Common Tern, 3; Royal Tern, 113; Caspian Tern, 12; Black Skimmer, 1; Mourning Dove, 13; Ground Dove, 23; Belted Kingfisher, 29; Yellow-shafted Flicker, 22; Red-bellied Woodpecker, 7; Yellow-bellied Sapsucker, 1; Eastern Phoebe, 4; Tree Swallow, **10,350+**; Blue Jay, 7; Scrub Jay, 22; Common Crow, **150**; Fish Crow, 502; House Wren, 4; Carolina Wren, 1; Mockingbird, 30; Catbird, 1; Loggerhead Shrike, 4; Starling, 14; Myrtle Warbler, 98; Yellow-throated Warbler, 4; Palm Warbler, 38 (1 Yellow Palm); Yellowthroat, 1; House Sparrow, 25; Eastern Meadowlark, 24; Redwinged Blackbird, 837; Boat-tailed Grackle, 170; Common Grackle, 21; Cardinal, 33; Am. Goldfinch, 20; Rufous-sided Towhee, 8; Savannah Sparrow, 64; Dusky Seaside Sparrow, 5; Vesper Sparrow, 15; Chipping Sparrow, 51; White-throated Sparrow, 1; Swamp Sparrow, 9; Song Sparrow, 2. **Total,** 94 species (1 additional race); about 19,419 individuals.—Fred J. Ackermann, Mrs. Rose Block, W. M. Davidson (compiler), A. J. Fairbanks, Mrs. Priscilla Fairbanks, Irwin Fritz, Lydia Hamilton, R. Lethridge, Mrs. R. Lethridge, C. Russell Mason, Mrs. Lucille Norton.

245. West Palm Beach, Fla. (all points within a 15-mile diameter circle, center 0.2 mile south of Forest Hill Blvd. and Congress Ave.; pine woods 17%, marsh 3%, residential 15%, cypress swamp 5%, salt-water shore 32%, pasture 19%, fresh-water shore 9%).—Dec. 27; 5:45 a.m. to 5:45 p.m. Cloudy but no rain; temp. 65° to 78°; wind SW, 5 m.p.h. Seventeen observers in 7 parties. Total party-hours, 145 (80 on foot, 65 by car); total party-miles, 296 (48 on foot, 248 by car). ► **Red-throated Loon, 1** (carefully identified—W. C.); Horned Grebe, 2; Pied-billed Grebe, 40; Brown Pelican, 229; Double-crested Cormorant, 89; Anhinga, 9; Magnificent Frigate-bird, 2; Great Blue Heron, 44; Green Heron, 6; Little Blue Heron, 50; Cattle Egret, 209; Common Egret, 57; Snowy Egret, 31; Louisiana Heron, 24; Black-crowned Night Heron, 12; Yellow-crowned Night Heron, 2; Least Bittern, 1; Wood Ibis, 1; White Ibis, 196; Mottled Duck, 6; Blue-winged Teal, 17; Am. Widgeon, 8; Ring-necked Duck, 110; Lesser Scaup, 183; **White-winged Scoter, 2**; Ruddy Duck, 2; Red-breasted Merganser, 2; Turkey Vulture, 87; Black Vulture, 63; Red-tailed Hawk, 2; Red-shouldered Hawk, 9; Marsh Hawk, 9; Osprey, 7; Pigeon Hawk, 1; Sparrow Hawk, 58; Bobwhite, 69; Limpkin, 1; Sora, 2; Purple Gallinule, 2; Common Gallinule, 38; Am. Coot, 285; Semipalmated Plover, 16; Piping Plover, 2; Wilson's Plover, 1; Killdeer, 30; Black-bellied Plover, 12; Ruddy Turnstone, 53; Common Snipe, 16; Spotted Sandpiper, 6; Willet, 1; Greater Yellowlegs, 12; Lesser Yellowlegs, 15; Least Sandpiper, 11; Dunlin, 2; Semipalmated Sandpiper, 12; Western Sandpiper, 7; Sanderling, 162; Herring Gull, 36; Ring-billed Gull, 3284; Laughing Gull, 32; Bonaparte's Gull, 79; Forster's Tern, 41; Common Tern, 3; Royal Tern, 53; Caspian Tern, 7; Black Skimmer, 9; Mourning Dove, 254; Ground Dove, 14; Screech Owl, 1; Great Horned Owl, 1; Burrowing Owl, 3; Barred Owl, 1; **Chuck-will's-widow, 1** (seen well—R. C.); Ruby-throated Hummingbird, 3; Belted Kingfisher, 39; Yellow-shafted Flicker, 29; Red-bellied Woodpecker, 59; Yellow-bellied Sapsucker, 10; Downy Woodpecker, 1; Great Crested Flycatcher, 1; Eastern Phoebe, 30; Tree Swallow, 3; Blue Jay, 31; Common Crow, 22; Fish Crow, 1044; House Wren, 17; Carolina Wren, 6; Long-billed Marsh Wren, 1; Short-billed Marsh Wren, 2; Mockingbird, 132; Catbird, 48; Brown Thrasher, 2; Eastern Bluebird, 5; Blue-gray Gnatcatcher, 12; Ruby-crowned Kinglet, 1; Loggerhead Shrike, 64; Starling, 11; White-eyed Vireo, 1; Solitary Vireo, 1; Myrtle Warbler, 6; Pine Warbler, 20; Prairie Warbler, 2; Palm Warbler, 48; Yellowthroat, 23; House Sparrow, 189; Eastern Meadowlark, 156; Redwinged Blackbird, 686; Boat-tailed Grackle, 260; Common Grackle, 186; Brown-headed Cowbird, 1; Cardinal, 66; Painted Bunting, 12; Am. Goldfinch, 2; Rufous-sided Towhee, 12; Savannah Sparrow, 16; Grasshopper Sparrow, 8; **Bachman's Sparrow, 1** (present all week); Chipping Sparrow, 6; Swamp Sparrow, 9. **Total,** 119 species; about 9413 individuals. (Seen in area count period, but not on count day: Common Loon, Gannet, **Blue Goose,** Green-winged Teal, Sharp-shinned Hawk, Sandhill Crane, Smooth-billed Ani, Pileated Woodpecker, Robin, Yellow-throated Warbler.)—Miriam Allen, Donald Anderson, Mr. and Mrs. Henry Burkhart, Robert Cointepoix, Mr. and Mrs. Ward Crossman, Leo Galloway, Mr. and Mrs. Dwight Green, Roberta Knight, H. P. Langridge (compiler),

Mr. and Mrs. Albert Morgan, Alice Stearns, Alice Swain, Louise Van Acker (Audubon Society of the Everglades).

246. **Ashland, Ohio** (all points within a 15-mile diameter circle, center 3½ miles south of Ashland on Route 511, regular area at Charles Mill Dam reservoir plus Moherman farm NW of Jeromesville; deciduous woods 35%, fields 25%, cultivated fields 5%, marsh and bushy swamps 25%, roadsides 8%, pine plantings 2%).—Dec. 21; 7:30 a.m. to 5:10 p.m. Cloudy; temp. 16° to 32°; wind NW, 0-10 m.p.h.; 5-in. crusted snow, lake frozen. Ten observers in 3 parties. Total party-hours, 25; total party-miles, 30 (all on foot). ► Great Blue Heron, 1; Cooper's Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Sparrow Hawk, 2; Bobwhite, 51; Ring-necked Pheasant, 1; Killdeer, 2; Common Snipe, 1; Mourning Dove, 7; Barred Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 5; Pileated Woodpecker, 1; Red-bellied Woodpecker, 11; Red-headed Woodpecker, 8; Hairy Woodpecker, 12; Downy Woodpecker, 45; Horned Lark, 6; Blue Jay, 35; Common Crow, 3; Black-capped Chickadee, 47; Tufted Titmouse, 54; White-breasted Nuthatch, 38; Brown Creeper, 7; Carolina Wren, 3; Robin, 11; Eastern Bluebird, 4; Golden-crowned Kinglet, 9; Loggerhead Shrike, 2; Starling, 15; Myrtle Warbler, 1; House Sparrow, 200; Eastern Meadowlark, 7; Rusty Blackbird, 1; Cardinal, 78; Am. Goldfinch, 27; Rufous-sided Towhee, 2; Slate-colored Junco, 54; Tree Sparrow, 395; White-crowned Sparrow, 3; Swamp Sparrow, 4; Song Sparrow, 134. **Total,** 43 species; about 1293 individuals.—Byron L. Burnett, Paul D. Harwood, Sarah Harwood, Burton C. Kahl (compiler), S. M. Martin, Maurice Newkirk, Tom Newkirk, Stephen W. Simon, Paul Thornburg, Jim Tipton.

247. **Ashtabula, Ohio** (all points within a 15-mile diameter circle, center 1 mile east of Kingsville on Lake Erie; Lake Erie shore from 1 mile west of Ashtabula to Ohio-Pennsylvania line near Conneaut and 7 miles inland on lake plain; Lake Erie shore 25%, brushy lake plain 20%, streams and ponds 10%, deciduous woods with much hemlock 20%, upland farms and marshes 25%).—Dec. 20; 7:30 a.m. to 5 p.m. Clear, to light snow flurries; temp. 14° to 18°; wind NE to NW, 5-15 m.p.h.; 8-12-in. crusted snow, inland ponds frozen. Eight observers in 4 parties. Total party-hours, 33 (16 on foot, 17 by car); total party-miles, 197 (17 on foot, 180 by car). ► **Common Loon,** 1; Mallard, 76; Black Duck, 9; **Blue-winged Teal, 10**; Lesser Scaup, 5; Common Goldeneye, 90; Bufflehead, 2; Common Merganser, 9; Red-breasted Merganser, 1; Cooper's Hawk, 1; Red-tailed Hawk, 6; Red-shouldered Hawk, 1; Sparrow Hawk, 2; Bobwhite, 4; Ring-necked Pheasant, 11; Herring Gull, 8050; Ring-billed Gull, 85; **Bonaparte's Gull,** 1; Mourning Dove, 4; Barred Owl, 1; Pileated Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 8; Downy Woodpecker, 24; Blue Jay, 42; Common Crow, 22; Black-capped Chickadee, 97; Tufted Titmouse, 18; White-breasted Nuthatch, 14; Red-breasted Nuthatch, 1; Brown Creeper, 3; Robin, 14; Golden-crowned Kinglet, 2; Northern Shrike, 3; Starling, 971; House Sparrow, 417; Cardinal, 88; **Pine Grosbeak, 2**; **Pine Siskin, 10**; Slate-colored Junco, 55; Tree Sparrow, 149; Chipping Sparrow, 6; **Fox Sparrow, 1**; Song Sparrow, 9; Snow Bunting, 2. **Total,** 45 species; about 10,329 individuals. (Seen in area count period, but not on count day: Red-bellied Woodpecker, Red-headed Woodpecker, Cedar Waxwing, **Brown-headed Cowbird.**)—Jon Ahlquist, Dorland Blackman, Dwight Euverard, Duane Ferris, J. Paul Perkins, Paul H. Savage (compiler), John Thayer, Frank L. Yocom.

248. **Brecksville, Ohio** (all points within a 15-mile diameter circle, center Brecksville; Bedford Park 10%, Brecksville Park 10%, Brushwood and Green Necklace Parkway 20%, Cuyahoga River and Ohio Canal Towpath 30%, feeding stations and homes 30%).—Jan. 1; 7:30 a.m. to 5 p.m. Steady rain all day; temp. 34° to 45°; wind, 15 m.p.h.; worst possible day for birding. Twelve observers in 7 parties. Total party-hours, 41 (20 on foot, 21 by car); total party-miles, 147 (10 on foot, 137 by car). ► Red-tailed Hawk, 1; Ruffed Grouse, 1; Bobwhite, 7; Ring-necked Pheasant, 1; Mourning Dove, 15; Yellow-shafted Flicker, 2; Pileated Woodpecker, 1; Red-bellied Woodpecker, 3; Hairy Woodpecker, 16; Downy Woodpecker, 55; Blue Jay, 62; Common Crow, 2; Tufted Titmouse, 66; White-breasted Nuthatch, 30; Brown Creeper, 2; Carolina Wren, 6; Mockingbird, 1; Robin, 2; Cedar Waxwing, 80; Starling, 309; Myrtle Warbler, 1; House Sparrow, 339; Redwinged Blackbird, 1; Brown-headed Cowbird, 3; Cardinal, 116; Purple Finch, 36; Am. Goldfinch, 24; Rufous-sided Towhee, 1; Slate-colored Junco, 163; Tree Sparrow, 133; Song Sparrow, 12. **Total,** 31 species; about 1491 individuals. (Seen in area count period, but not on count day: Sparrow Hawk, Eastern Bluebird, Brown Thrasher, Evening Grosbeak, Fox Sparrow.)—Herbert Agnor, Millicent Agnor, Judd Hostetler, Kathleen S. Hostetler (compiler), Merle Hostetler, Dorothy Kutler, Michael Lister, Mildred Levoy, R. C. McKay, Henry Merkle, Jerry Piskac, Harold Wallin.

249. **Buckeye Lake, Ohio** (all points within a 15-mile diameter circle, center Buckeye Lake Park as in past 33 years; deciduous woodlands 60%, open farmland 30%, brushy swamp and cattail marsh 10%).—Dec. 21; 7 a.m. to 5 p.m. Cloudy; temp. 14° to 28°; wind SW, 0-5 m.p.h.; ground 95% covered with 1-6-in. snow, lake completely ice-covered, streams partly open. Nineteen observers in 7 parties. Total party-hours, 85 (71 on foot, 14 by car); total party-miles, 234 (70 on foot, 164 by car). ► Great Blue Heron, 6; Mallard, 16; Black Duck, 3; Cooper's Hawk, 10; Red-tailed Hawk, 22; Red-shouldered Hawk, 1; Rough-legged Hawk, 2; Marsh Hawk, 7; Sparrow Hawk, 11; Bobwhite, 195; Ring-necked Pheasant, 6; Killdeer, 1; Common Snipe, 1; Mourning Dove, 190; Barn Owl, 2; Screech Owl, 1; Great Horned Owl, 1; Barred Owl, 4; Belted Kingfisher, 3; Yellow-shafted Flicker, 70; Pileated Woodpecker, 8; Red-bellied Woodpecker, 34; Red-headed Wood-

pecker, 95; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 14; Downy Woodpecker, 201; Horned Lark, 180; Blue Jay, 162; Common Crow, 3; Carolina Chickadee, 210; Tufted Titmouse, 179; White-breasted Nuthatch, 95; Brown Creeper, 46; Carolina Wren, 37; Mockingbird, 1; Robin, 1; Eastern Bluebird, 28; Golden-crowned Kinglet, 11; Loggerhead Shrike, 3; Starling, 1128; Myrtle Warbler, 8; House Sparrow, 1954; Eastern Meadowlark, 230; Redwinged Blackbird, 11; Rusty Blackbird, 11; Common Grackle, 3; Brown-headed Cowbird, 16; Cardinal, 274; Purple Finch, 1; Pine Siskin, 1; Am. Goldfinch, 49; Rufous-sided Towhee, 42; Slate-colored Junco, 92; Tree Sparrow, 549; White-crowned Sparrow, 6; White-throated Sparrow, 1; Swamp Sparrow, 14; Song Sparrow, 373; Lapland Longspur, 1. **Total,** 59 species; about 6625 individuals.—David F. Baker, Clarence F. Bateman, Donald J. Borror, Audrey H. Claugus, Robert G. Fankhauser, Charles R. Goslin, Eugene E. Hast, W. Kelton Jones, Irving Kassoy, Ernest Limes, Frank W. Mead, Mr. and Mrs. Elliott F. Reichelderfer, Irvin B. Rickly, Roderick Suthers, Edward S. Thomas, Tom Thomson, Milton B. Trautman (compiler), Walter A. Tucker (Wheaton Club and guests).

250. Bucyrus, Ohio (all points within a 15-mile diameter circle, center same as in previous years; mixed deciduous woods 45%, wooded bottomlands 40%, cultivated fields 14%, evergreen planting 1%). —Dec. 27; 8 a.m. to 5 p.m. Partly cloudy; temp. 25° to 35°; wind S, 15 m.p.h.; patches of crusted snow. Three observers in 1 party. Total party-hours, 8 (7 on foot, 1 by car); total party-miles, 40 (15 on foot, 25 by car). ► Red-tailed Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 3; Bobwhite, 30; Ring-necked Pheasant, 1; Mourning Dove, 134; Screech Owl, 2; Great Horned Owl, 5; Yellow-shafted Flicker, 7; Red-bellied Woodpecker, 4; Red-headed Woodpecker, 69; Hairy Woodpecker, 2; Downy Woodpecker, 21; Horned Lark, 16; Blue Jay, 22; Black-capped Chickadee, 14; Tufted Titmouse, 15; White-breasted Nuthatch, 15; Brown Creeper, 9; Starling, 346; House Sparrow, 350; Eastern Meadowlark, 5; Cardinal, 37; Slate-colored Junco, 27; Tree Sparrow, 59; Song Sparrow, 21; Snow Bunting, 1. **Total,** 28 species; about 1218 individuals. —Carolyn Kuehnle, Judy Kuehnle, Paul Kuehnle (compiler).

251. Cadiz, Ohio (all points within a 15-mile diameter circle, centered to include area of past 58 years; deciduous woodland and brush 35%, farm fields and fencerows 25%, lake shore and pine groves 10%, roadsides 20%, village yards 10%).—Dec. 26; 7:30 a.m. to 5:30 p.m. Clear; temp. 10° to 25°; wind 0-5 m.p.h.; some snow patches, streams and lake frozen hard. Eight observers in 3 parties. Total party-hours, 22 (9 on foot, 13 by car); total party-miles, 114 (12 on foot, 102 by car). ► Black Duck, 10; Cooper's Hawk, 1; Red-tailed Hawk, 6; Sparrow Hawk, 9; Ruffed Grouse, 2; Bobwhite, 20; Mourning Dove, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Pileated Woodpecker, 2; Red-bellied Woodpecker, 5; Hairy Woodpecker, 2; Downy Woodpecker, 8; Horned Lark, 30; Blue Jay, 5; Common Crow, 15; Carolina Chickadee, 44; Tufted Titmouse, 13; White-breasted Nuthatch, 8; Carolina Wren, 3; Mockingbird, 1; Robin, 6; Eastern Bluebird, 5; Golden-crowned Kinglet, 2; Starling, 213; House Sparrow, 109; Eastern Meadowlark, 41; Common Grackle, 1; Brown-headed Cowbird, 1; Cardinal, 93; Am. Goldfinch, 8; Rufous-sided Towhee, 1; **Savannah Sparrow,** 4 (in barnyard); Slate-colored Junco, 80; Tree Sparrow, 53; Song Sparrow, 15. **Total,** 36 species; about 819 individuals. (Seen in area count period, but not on count day: White-crowned Sparrow.)—Tom Ford, Mary Ford, Raymond Reed, Sara Reed, L. Milton Ronsheim, David E. Worley, Clara C. Worley, John G. Worley (compiler).

252. Cincinnati, Ohio (all points within a 15-mile diameter circle, center at Mt. Carmel as in previous 11 years).—Dec. 28; 7 a.m. to 5:30 p.m. Clear; temp. 31° to 48°; wind NE, 3-6 m.p.h.; ponds frozen, streams partly frozen. Seventy-one observers in 8 parties. Total party-hours, 130 (103 on foot, 27 by car); total party-miles, 408 (133 on foot, 275 by car). ► Pied-billed Grebe, 2; Great Blue Heron, 3; Mallard, 231; Black Duck, 111; Pintail, 14; Am. Widgeon, 2; Redhead, 2; Ring-necked Duck, 5; Lesser Scaup, 5; Common Goldeneye, 5; Red-breasted Merganser, 6; Sharp-shinned Hawk, 1; Cooper's Hawk, 9; Red-tailed Hawk, 18; Red-shouldered Hawk, 15; Marsh Hawk, 4; Sparrow Hawk, 34; Bobwhite, 142; Killdeer, 8; Common Snipe, 2; Herring Gull, 1; Ring-billed Gull, 11; Mourning Dove, 570; Barn Owl, 1; Screech Owl, 3; Great Horned Owl, 4; Barred Owl, 10; Short-eared Owl, 1; Saw-whet Owl, 1; Belted Kingfisher, 7; Yellow-shafted Flicker, 249; Red-bellied Woodpecker, 196; Red-headed Woodpecker, 124; Yellow-bellied Sapsucker, 50; Hairy Woodpecker, 23; Downy Woodpecker, 469; Horned Lark, 29; Blue Jay, 276; Common Crow, 256; Carolina Chickadee, 1212; Tufted Titmouse, 713; White-breasted Nuthatch, 13; Red-breasted Nuthatch, 1; Brown Creeper, 47; Winter Wren, 1; Carolina Wren, 369; Mockingbird, 77; Catbird, 1; Brown Thrasher, 1; Robin, 9865 (roost); Hermit Thrush, 1; Eastern Bluebird, 112; Golden-crowned Kinglet, 35; Cedar Waxwing, 113; Starling, 19,294 (starlings and blackbirds in large roost); Myrtle Warbler, 157; House Sparrow, 1795; Eastern Meadowlark, 140; Redwinged Blackbird, 12; Rusty Blackbird, 200; Common Grackle, 226; Brown-headed Cowbird, 1049; Cardinal, 1589; Purple Finch, 62; Pine Siskin, 12; Am. Goldfinch, 457; Rufous-sided Towhee, 202; Savannah Sparrow, 3; Slate-colored Junco, 1336; Tree Sparrow, 558; Chipping Sparrow, 5; Field Sparrow, 27; White-crowned Sparrow, 64; White-throated Sparrow, 438; Fox Sparrow, 8; Swamp Sparrow, 61; Song Sparrow, 1246. **Total,** 77 species; about 44,402 individuals. (Seen in area count period, but not on count day: Bewick's Wren.)—Ron and Louise Austing, Tom Becker, Bill Benway, Helen Brinkmann, Cecil Chambers, Dick Costello, Jr., Francis and Ralph Carpenter, Paul Feist, Harrison Field, E. P. Floyd, Hans Fritschi, David, Edwina and Gardner Griffin, Paula Hansley,

Frank and Willis Harbaum, Paul Hellmann, Jane Herweh, Joe Higgins, Paul Jansen, Myron Johnson, Jr., Ed Johnstone, Emerson Kemsies, Vivian Kunkel, Merle Ann Koenig, Hawkins Kohankie, Karl and Peter Maslowski, Mr. and Mrs. Lyle McBride, Sr., Mr. and Mrs. Lyle McBride, Jr., C. McCullough, Eleanor Morrison, Ruth Nestor, Roland Oliver, Grace Paull, Warren Parks, Worth Randle, Harry Roach, Stanley Rowe, Stanley Rowe, Jr., Hal and Nan Shapiro, Sven Sjodahl (compiler), Vic Sloane, Anna Lou Smethurst, Ada, Bernice and Hester Stephenson, Herschell Stone, Sophie Strube, Ida Suttman, C. J. Taylor, John Taylor, Russ Townsley, Gene and Nancy Ulmer, Jim Upson, Bill Wagner, Richard Watkins, Virginia Watts, Paul and Sandra Woodward, Jean Wright, Phillip Wunker, Jan and John Zimmerman (Cincinnati Bird Club and friends).

253. Cleveland, Ohio (all points within a 15-mile diameter circle, center on Chardon Road ½ mile east of Euclid Avenue, and including Shaker Lakes, Gates Mills Village, North Chagrin Reservation, Lake Erie shore from E. 55th Street to Eastlake; beech-maple climax forest 20%, open fields or parks 15%, swamps 5%, suburbs 45%, lake shore 15%).—Dec. 28; 7:30 a.m. to 5:30 p.m. Hazy, clearing p.m.; temp. 31° to 46°; wind N to NE, 2-3 m.p.h.; up to 12-in. ice-encrusted snow, Lake Erie and fresh water frozen a.m. Forty-four observers in 19 parties. Total party-hours, 124 (81 on foot, 43 by car); total party-miles, 427 (89 on foot, 338 by car). ► Pied-billed Grebe, 2; **Mute Swan,** 1; Mallard, 79; Black Duck, 273; Pintail, 1; Redhead, 4; Canvasback, 75; Greater Scaup, 74; Lesser Scaup, 25; Common Goldeneye, 7; Bufflehead, 6; White-winged Scoter, 1; Ruddy Duck, 4; Hooded Merganser, 1; Common Merganser, 2; Sharp-shinned Hawk, 1; Red-tailed Hawk, 6; Red-shouldered Hawk, 3; Sparrow Hawk, 3; Ruffed Grouse, 3; Ring-necked Pheasant, 4; Am. Coot, 2; **Great Black-backed Gull, 2**; Herring Gull, 40; Ring-billed Gull, 393; Mourning Dove, 58; Screech Owl, 1; Great Horned Owl, 1; Barred Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 3; Pileated Woodpecker, 8; Red-bellied Woodpecker, 4; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 22; Downy Woodpecker, 83; Blue Jay, 210; Common Crow, 39; Black-capped Chickadee, 248; Tufted Titmouse, 103; White-breasted Nuthatch, 93; Red-breasted Nuthatch, 4; Brown Creeper, 8; Winter Wren, 1; Carolina Wren, 7; Robin, 21; Eastern Bluebird, 6; Golden-crowned Kinglet, 4; Ruby-crowned Kinglet, 1; Cedar Waxwing, 86; Northern Shrike, 1; Starling, 690; Myrtle Warbler, 4; House Sparrow, 292; Redwinged Blackbird, 3; Cardinal, 199; Purple Finch, 5; Common Redpoll, 4; Pine Siskin, 4; Am. Goldfinch, 24; Rufous-sided Towhee, 13; Slate-colored Junco, 355; Tree Sparrow, 125; White-throated Sparrow, 3; **Fox Sparrow, 2**; Song Sparrow, 16; Snow Bunting, 11. **Total,** 68 species; about 3781 individuals. (Seen in area count period, but not on count day: Harlequin Duck.) —L. P. Barbour, H. E. Blakeslee, Mrs. R. V. Booth, Vera Carrothers, Mildred Daniels, Annette Flanigan, Adela Gaede, Carl Hamann, Constance Hamann, J. Neil Henderson, Eleanore Hudgeon, Margaret Hudgeon, Nancy Klamm, W. A. Klamm, Michael Lister, Lucille Maly, Robert Maly, Frank McConoughey, Jerry Piskac, Marjorie Ramisch (compiler), Marian Skaggs, Merit B. Skaggs, Margaret H. Sherwin, Mike Stasko, Don Steinbrink, Harold Wallin (Kirtland Bird Club and others).

254. Columbus, Ohio (all points within a 15-mile diameter circle, center near Fifth and Cassady Aves. as last 4 years; farmland 36%, town suburbs 27%, woodland 17%, wooded stream bank 17%, open grove 3%).—Dec. 28; 7:30 a.m. to 5 p.m. Mostly cloudy; temp. 26° to 46°; wind NE, 0-13 m.p.h.; ground partly snow-covered, ponds and streams mostly frozen. Forty-one observers in 14 parties. Total party-hours, 116 (96 on foot, 20 by car); total party-miles, 233 (103 on foot, 130 by car). ► Great Blue Heron, 1; Mallard, 383; Black Duck, 608; Common Goldeneye, 4; Cooper's Hawk, 7; Red-tailed Hawk, 8; Red-shouldered Hawk, 6; Marsh Hawk, 1; Sparrow Hawk, 26; Bobwhite, 84; Ring-necked Pheasant, **55**; **Common Snipe,** 3; Herring Gull, 4; Ring-billed Gull, 20; Mourning Dove, 220; Screech Owl, 4; Great Horned Owl, 1; Barred Owl, 3; Belted Kingfisher, 3; Yellow-shafted Flicker, 100; Pileated Woodpecker, 4; Red-bellied Woodpecker, 28; Red-headed Woodpecker, **51**; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 22; Downy Woodpecker, **220**; Horned Lark, 18; Blue Jay, **221**; Common Crow, 80; **Black-capped Chickadee,** 1; Carolina Chickadee, **284**; Tufted Titmouse, 240; White-breasted Nuthatch, 122; Red-breasted Nuthatch, 1; Brown Creeper, **65**; Carolina Wren, **70**; Mockingbird, 9; Robin, 56; **Hermit Thrush,** 1; Eastern Bluebird, 48; Golden-crowned Kinglet, 15; Cedar Waxwing, 13; Starling, 1894; Myrtle Warbler, 2; House Sparrow, 1531; Eastern Meadowlark, 6; Rusty Blackbird, 4; Common Grackle, 3; Cardinal, 344; Purple Finch, 1; Pine Siskin, 1; Am. Goldfinch, 34; Rufous-sided Towhee, **31**; Slate-colored Junco, 491; Tree Sparrow, 275; Song Sparrow, 246. **Total,** 56 species; about 7976 individuals. —David F. Baker, Clarence F. Bateman, Mr. and Mrs. Robert Boehnke, Donald J. Borror, Harold E. Burtt, Bernard Cellar, Audrey H. Claugus, Elmer W. Davidson, Robert G. Fankhauser, Gareth E. Gilbert, William M. Gilbert, Paul Goff, Albert S. Hoster, W. Kelton Jones, Irving Kassoy, Mr. and Mrs. Arthur S. Kiefer, Mr. and Mrs. Harry I. Kohler, Ernest Limes, Mrs. M. C. Markham, Frank W. Mead, Harry D. Moore, James H. Olsen, Eugene H. Pierce, Edwin E. Postle, Mr. and Mrs. E. F. Reichelderfer, Mr. and Mrs. Irvin B. Rickly, Mr. and Mrs. Henry W. Schuer, H. Granville Smith, Mr. and Mrs. Edward S. Thomas (compilers), John S. Thomas, Tom Thomson, Milton B. Trautman, Mr. and Mrs. Walter A. Tucker (Columbus Audubon Society).

255. Cuyahoga Falls, Ohio (all points within a 15-mile diameter circle, center on the square of Cuyahoga Falls as last year; deciduous woods 45%, lakes and lakeshores 21%, valley of Cuyahoga River 20%, field and farmlands 10%, college campus, golf course and parkland 2%, swamps 2%).—Dec. 28; 8:30 a.m.

to 5 p.m. Fog till 9 a.m., sunny rest of day; temp. 22° to 42°; wind W, 0-3 m.p.h.; 2-in. snow on ground, river open, lakes frozen over except Summit Lake. Fifteen observers in 10 parties. Total party-hours, 48 (34 on foot, 14 by car); total party-miles, 142 (27 on foot, 115 by car). ► Horned Grebe, 2; Pied-billed Grebe, 2; Canada Goose, 1; Mallard, 167; Black Duck, 395; Gadwall, 38; Redhead, 4; Canvasback, 2; Common Goldeneye, 50; Ruddy Duck, 1; Hooded Merganser, 2; Cooper's Hawk, 2; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Sparrow Hawk, 2; Bobwhite, 8; Ring-necked Pheasant, 20; Am. Coot, 40; Herring Gull, 3; Ring-billed Gull, 6; Mourning Dove, 42; Screech Owl, 1; Barred Owl, 1; Yellow-shafted Flicker, 2; Hairy Woodpecker, 23; Downy Woodpecker, 79; Blue Jay, 125; Common Crow, 20; Black-capped Chickadee, 172; Tufted Titmouse, 61; White-breasted Nuthatch, 59; Brown Creeper, 2; Winter Wren, 2; Carolina Wren, 2; Robin, 4; Golden-crowned Kinglet, 7; Cedar Waxwing, 68; Starling, 795; Myrtle Warbler, 1; House Sparrow, 434; Brown-headed Cowbird, 3; Cardinal, 156; Purple Finch, 2; Am. Goldfinch, 22; Slate-colored Junco, 239; Tree Sparrow, 858; Swamp Sparrow, 6; Song Sparrow, 62. **Total,** 48 species; about 3995 individuals. (Seen in area count period, but not on count day: Shoveler, Evening Grosbeak.)—Joseph Beckett, David DeSante, Mary Gibson, Mrs. Helen Hughey, Mrs. Donato Internoscia, James Jaccaud, Charles H. Knight, Mrs. R. J. Preston, Grace Rymer, Emmett L. Shellenberger (compiler), Mr. and Mrs. Fred Staiger, Mrs. Helen Taylor, Mr. and Mrs. George Wiley.

256. Dayton, Ohio (all points within a 15-mile diameter circle, center same as in past 30 years).—Dec. 28; 7 a.m. to 5:30 p.m. Fog lifting at noon, clear; temp. 27° to 49°; wind ENE, 2-8 m.p.h.; lakes ice-bound, streams partly open. Forty-one observers in 14 parties. Total party-hours, 86 (75 on foot, 11 by car); total party-miles, 197 (67 on foot, 130 by car). ► Great Blue Heron, 1; Mallard, 11; Black Duck, 3; Common Goldeneye, 13; **Goshawk, 2** (positive—C. H., E. R.); Cooper's Hawk, 2; Red-tailed Hawk, 13; Red-shouldered Hawk, 6; Rough-legged Hawk, 1; Sparrow Hawk, 24; Bobwhite, 151; Ring-necked Pheasant, 26; Killdeer, 4; Mourning Dove, 484; Barn Owl, 3; Screech Owl, 2; Barred Owl, 1; **Saw-whet Owl,** 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 40; Red-bellied Woodpecker, 18; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 10; Downy Woodpecker, 127; Horned Lark, 2; Blue Jay, 76; Common Crow, 5831; Black-capped Chickadee, 22; Carolina Chickadee, 214; Tufted Titmouse, 165; White-breasted Nuthatch, 35; Brown Creeper, 45; **House Wren, 2** (C. H.); Winter Wren, 7; Carolina Wren, 81; Mockingbird, 18; Robin, 35; **Hermit Thrush,** 1; Eastern Bluebird, 4; Golden-crowned Kinglet, 9; Starling, 15,858; House Sparrow, 733; Eastern Meadowlark, 20; Common Grackle, 2; Cardinal, 252; Purple Finch, 2; Am. Goldfinch, 64; Rufous-sided Towhee, 4; Slate-colored Junco, 461; Tree Sparrow, 181; Field Sparrow, 4; White-crowned Sparrow, 1; White-throated Sparrow, 20; Fox Sparrow, 1; Song Sparrow, 144. **Total,** 55 species; about 25,244 individuals.—Charles and Elizabeth Argast, Merval Anthony, Ben and Edith Blincoe (compilers), Charles Breish, Libby Caldwell, Jack, Leonard and Mary Confer, Barry Dwyer, Sue Donovan, Armand and Emma Dibble, Catherine Hadeler, Norma Hime, Carl Horst, E. J. Koestner, Dick Koepnick, David and Paul Knoop, Tom McElroy, Robert and Sybil Prager, Fred Pohlkotte, Pearl Rockoff, Eva Ruhl, Everett Richards, Tom Shirack, Berniece and Herbert Shinkle, David and Grover Siebenthaler, Glen Smith, Joseph Sifford, Fred Stoner, Betty, Carl, Jim and Robert Williams, Brother Zamierowki.

257. Delaware, Ohio (all points within a 15-mile diameter circle, center near Marlboro Church at Delaware Reservoir as in last 3 years).—Dec. 26; 8 a.m. to 5:15 p.m. Clear; temp. 8° to 30°; wind SE, 3-10 m.p.h.; 1-2-in. snow on ground, still water frozen, streams partly open. Eleven observers in 5 parties. Total party-hours, 44 (38 on foot, 6 by car); total party-miles, 95 (35 on foot, 60 by car). ► Great Blue Heron, 1; Mallard, 106; Black Duck, 565; Common Goldeneye, 4; Cooper's Hawk, 2; Red-tailed Hawk, 6; Rough-legged Hawk, 1; Marsh Hawk, 6; Bobwhite, 60; Ring-necked Pheasant, 7; Mourning Dove, 7; Screech Owl, 2; Great Horned Owl, 1; Long-eared Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 8; Red-bellied Woodpecker, 3; Hairy Woodpecker, 5; Downy Woodpecker, 63; Horned Lark, 15; Blue Jay, 28; Common Crow, 1; Carolina Chickadee, 33; Tufted Titmouse, 19; White-breasted Nuthatch, 19; Brown Creeper, 7; Carolina Wren, 3; Eastern Bluebird, 1; Golden-crowned Kinglet, 3; Cedar Waxwing, 25; Starling, 264; House Sparrow, 170; Eastern Meadowlark, 26; Cardinal, 56; Am. Goldfinch, 13; Slate-colored Junco, 19; Tree Sparrow, 662; Swamp Sparrow, 7; Song Sparrow, 106. **Total,** 39 species; about 2327 individuals.—A. S. Bradshaw, John N. Chase, Ronald R. Greene, Don Irish, J. Herrold Lancaster, Ernest Limes, James H. Olsen, Leonard Russell, Elisabeth Ann Stull, William D. Stull (compiler), Roderick A. Suthers.

258. Elyria–Lorain, Ohio (all points within a 15-mile diameter circle, center midway between Elyria and Lorain, including Beaver Park, South Amherst, LaPorte, North Ridgeville, Avon, Avon Lake; fields, forests, parks, farms, city, suburban, Lake Erie).—Dec. 28; 8:30 a.m. to 5 p.m. Cloudy; temp. 28° to 50°; wind SW, 5 m.p.h. Twelve observers in 4 parties. Total party-hours, 20 (10 on foot, 10 by car); total party-miles, 128 (16 on foot, 122 by car). ► Mallard, 6; Black Duck, 3; Ring-necked Duck, 2; Greater Scaup, 140; Lesser Scaup, 12; Common Goldeneye, 200; Bufflehead, 10; Common Merganser, 50; Sparrow Hawk, 3; Bobwhite, 12; Ring-necked Pheasant, 5; Great Black-backed Gull, 1; Herring Gull, 670; Ring-billed Gull, 108; Mourning Dove, 58; Screech Owl, 1; **Red-headed Woodpecker,** 1; Hairy Woodpecker, 3; Downy Woodpecker, 21; Horned Lark, 6; Blue Jay, 60; Common Crow, 425; Black-capped Chickadee, 9; Tufted Titmouse, 24; White-breasted Nuthatch, 11; Robin, 2; Golden-crowned

Kinglet, 2; Cedar Waxwing, 12; Starling, 1300; House Sparrow, 500; Cardinal, 34; **Evening Grosbeak**, 8; Am. Goldfinch, 6; Slate-colored Junco, 60; Tree Sparrow, 66; Field Sparrow, 1; Song Sparrow, 5. **Total**, 37 species; about 3837 individuals. (Seen in area count period, but not on count day: Brown Creeper.)—Ricky Brekelbaum, Allon Cady, Perry F. Johnson (compiler), Dale C. Kellogg, James Kimball, Mrs. W. R. Kraps, Mrs. W. H. Lance, Robert Morse, Jack Smith, Harlie G. Stevick, David Stock, Steve Walters.

259. **Gypsum, Ohio** (all points within a 15-mile diameter circle, center Gypsum, including Castalia, Marblehead Peninsula, Sandusky Bay; open fields 25%, lake shore 10%, mixed deciduous and coniferous woods 20%, frozen marsh with small areas of open water 45%).—Dec. 28; 7:30 a.m. to 5:30 p.m. Clear; temp. 30° to 42°; wind SW, 5-10 m.p.h. Fourteen observers in 3 parties. Total party-hours, 10 (3 on foot, 7 by car); total party-miles, 87 (4 on foot, 83 by car). ► Great Blue Heron, **120**; Canada Goose, 2; Mallard, 4000; Black Duck, 5000; Gadwall, 24; Pintail, 100; Am. Widgeon, 100; Shoveler, 40; Wood Duck, 1; Ring-necked Duck, 9; Canvasback, 100; Lesser Scaup, 30; Common Goldeneye, 600; Bufflehead, 20; Oldsquaw, 1; Hooded Merganser, 1; Cooper's Hawk, 1; Red-tailed Hawk, 6; Bald Eagle, 8; Marsh Hawk, 6; Sparrow Hawk, 2; Ring-necked Pheasant, 146; Turkey, 14 (introduced); Am. Coot, 2; Great Black-backed Gull, 1; Herring Gull, 700; Ring-billed Gull, 1000; Mourning Dove, 138; Barn Owl, 1; Screech Owl, 7; Great Horned Owl, 3; Saw-whet Owl, 1; Yellow-shafted Flicker, 10; Downy Woodpecker, 28; Horned Lark, 4; Blue Jay, 56; Black-capped Chickadee, 1; Tufted Titmouse, 10; White-breasted Nuthatch, 1; Carolina Wren, 7; Mockingbird, 2; Robin, 1; Golden-crowned Kinglet, 4; Starling, 592; House Sparrow, 266; Eastern Meadowlark, 9; Redwinged Blackbird, 5; Cardinal, 63; Purple Finch, 1; Am. Goldfinch, 51; Slate-colored Junco, 93; Tree Sparrow, 130; Swamp Sparrow, 2; Song Sparrow, 41; Snow Bunting, 26. **Total**, 55 species; about 13,587 individuals.—Bob Crofts (compiler), Jerry Felland, Gary Gamble, Lee Garling, Dennis Genzman, Harold Holt, Irene Holt, Dick Kellermeier, Bob Reed, Betty Rich, Jerry Scott, Alta Smith, Laurel Van Camp, Gene Walston.

260. **Hamilton, Ohio** (all points within a 15-mile diameter circle, center at junction of Route 4 and Symmes Road as in previous 39 years).—Dec. 26; 8 a.m. to 5 p.m.; temp. 14° to 38°; wind SSW, 10-15 m.p.h. Two observers in 1 party. Total party-hours, 9 (4 on foot, 5 by car); total party-miles, 48 (8 on foot, 40 by car). ► Great Blue Heron, 5; Mallard, 5; Black Duck, 5; Lesser Scaup, 1; Common Goldeneye, 3; Cooper's Hawk, 2; Red-tailed Hawk, 8; Red-shouldered Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 9; Bobwhite, 19; Killdeer, 8; Common Snipe, 7; Ring-billed Gull, 1; Mourning Dove, 475; Barn Owl, 1; Belted Kingfisher, 2; Red-shafted Flicker, 6; Red-bellied Woodpecker, 4; Hairy Woodpecker, 2; Downy Woodpecker, 16; Horned Lark, 20; Blue Jay, 7; Common Crow, 124; Carolina Chickadee, 46; Tufted Titmouse, 15; Brown Creeper, 5; Carolina Wren, 12; Mockingbird, 3; Robin, 1; Eastern Bluebird, 7; Starling, 866; House Sparrow, 440; Eastern Meadowlark, 62; Cardinal, 84; Am. Goldfinch, 10; Rufous-sided Towhee, 1; Slate-colored Junco, 33; Tree Sparrow, 54; Field Sparrow, 14; Fox Sparrow, 4; Swamp Sparrow, 24; Song Sparrow, 71. **Total**, 43 species; about 2485 individuals.—Frank Harbaum (compiler), Willis Harbaum.

261. **Hoover Reservoir, Ohio** (all points within a 15-mile diameter circle, center along Big Walnut 7½ miles north of Route 161, including new Hoover Reservoir and Alum Creek; water and shore 50%, farmland 25%, woodland 25%).—Dec. 31; 8 a.m. to 6 p.m. Clear a.m., cloudy p.m.; temp. 28° to 35°; wind NE, 5-20 m.p.h.; water 80% frozen. Two observers in 2 parties. Total party-hours, 16 (6 on foot, 10 by car); total party-miles, 120 (10 on foot, 110 by car). ► Horned Grebe, 1; Great Blue Heron, 1; Canada Goose, 18; Mallard, 2500; Black Duck, 5200; Gadwall, 48; Pintail, 1; Am. Widgeon, 1; Redhead, 3; Canvasback, 33; Lesser Scaup, 4; Common Goldeneye, 48; Hooded Merganser, 2; Common Merganser, 3; Red-tailed Hawk, 5; Rough-legged Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 4; Bobwhite, 15; Ring-necked Pheasant, 1; Am. Coot, 1; Killdeer, 1; Herring Gull, 6; Ring-billed Gull, 22; Bonaparte's Gull, 1; Mourning Dove, 3; Barred Owl, 1; Yellow-shafted Flicker, 7; Pileated Woodpecker, 3; Red-bellied Woodpecker, 5; Red-headed Woodpecker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 13; Horned Lark, 6; Blue Jay, 15; Carolina Chickadee, 26; Tufted Titmouse, 25; White-breasted Nuthatch, 10; Brown Creeper, 1; Carolina Wren, 4; Mockingbird, 1; Eastern Bluebird, 1; Golden-crowned Kinglet, 5; Starling, 534; House Sparrow, 375; Eastern Meadowlark, 21; Cardinal, 17; Am. Goldfinch, 1; Rufous-sided Towhee, 1; Slate-colored Junco, 21; Tree Sparrow, 46; Song Sparrow, 23. **Total**, 52 species; about 9091 individuals. (Seen in area count period, but not on count day: Cedar Waxwing, Myrtle Warbler, White-crowned Sparrow.)—A. H. Claugus, Tom Thomson (compiler).

262. **Indian Lake, Ohio** (all points within a 15-mile diameter circle, center in lake).—Dec. 23; 7:45 a.m. to 7:30 p.m. Overcast, haze p.m.; temp. 26° to 46°; wind S to W, 10-30 m.p.h.; snow patches, some drifts, lake frozen, stream partly open. Two observers in 2 parties. Total party-hours, 22 (9 on foot, 13 by car); total party-miles, 178 (10 on foot, 168 by car). ► Mallard, 1800; Black Duck, 706; Cooper's Hawk, 3; Red-tailed Hawk, 8; Red-shouldered Hawk, 1; Marsh Hawk, 11; Sparrow Hawk, 1; Bobwhite, 3; Ring-necked Pheasant, 1; Common Snipe, 3; Herring Gull, 3; Mourning Dove, 49; Barn Owl, 1; Screech Owl, 2; Great Horned Owl, 1; Barred Owl, 2; Belted Kingfisher, 3; Yellow-shafted Flicker, 16; Red-bellied Woodpecker, 12; Hairy Woodpecker, 16; Downy Woodpecker, 37; Horned Lark, 12; Blue Jay, 47; Common Crow, 2; Carolina Chickadee, 46; Tufted Titmouse, 44; White-breasted Nuthatch, 31; Brown

Creeper, 20; Carolina Wren, 2; Mockingbird, 5; Eastern Bluebird, 1; Golden-crowned Kinglet, 16; Cedar Waxwing, 2; Starling, 630; Myrtle Warbler, 1; House Sparrow, 1057; Eastern Meadowlark, 6; Redwinged Blackbird, 18; Rusty Blackbird, 5; Common Grackle, 2; Brown-headed Cowbird, 1; Cardinal, 65; Purple Finch, 2; Am. Goldfinch, 12; Slate-colored Junco, 22; Tree Sparrow, 154; White-crowned Sparrow, 1; **Lincoln's Sparrow, 1** (carefully identified); Swamp Sparrow, 2; Song Sparrow, 45. **Total,** 50 species; about 4931 individuals. (Seen in area count period: Blue-winged Teal, Am. Widgeon, Rough-legged Hawk, Red-headed Woodpecker, Red-breasted Nuthatch, Winter Wren, Field Sparrow.)—A. H. Claugus, Ernie Limes (compiler).

263. Lakewood, Ohio (all points within a 15-mile diameter circle, center 2 miles west of southwest corner of Lakewood as in previous years; suburban areas 25%, metropolitan parks 50%, farm areas 10%, lake front 15%).—Dec. 21; 7:45 a.m. to 5:30 p.m. Partly cloudy; temp. 18° to 20°; wind NW, 5-25 m.p.h.; 2-3-in. crusted snow, streams mostly frozen, Lake Erie near shore mostly covered with drift ice. Thirty-one observers in 14 parties. Total party-hours, 61 (49 on foot, 12 by car); total party-miles, 245 (42 on foot, 203 by car). ► **Canada Goose, 3**; **White-fronted Goose, 1** (good study at 50 ft.—F. G.); Mallard, 122; Black Duck, 4; Mallard X Black Duck, 1; Redhead, 1; Canvasback, 5; Greater Scaup, 554; Lesser Scaup, 1100; Common Goldeneye, 952; Bufflehead, 165; **Oldsquaw, 1**; White-winged Scoter, 1; **Common Scoter, 1**; Common Merganser, 19; Red-breasted Merganser, 7; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 2; Sparrow Hawk, 7; Bobwhite, 6; Ring-necked Pheasant, 54; Great Black-backed Gull, 6; Herring Gull, 170; Ring-billed Gull, 230; Bonaparte's Gull, 6; Mourning Dove, 23; Great Horned Owl, 4; **Barred Owl, 1**; Belted Kingfisher, 4; Yellow-shafted Flicker, 3; Red-headed Woodpecker, 6; Hairy Woodpecker, 16; Downy Woodpecker, 81; Blue Jay, 146; Common Crow, 86; Black-capped Chickadee, 152; Tufted Titmouse, 56; White-breasted Nuthatch, 44; Red-breasted Nuthatch, 1; Brown Creeper, 5; Winter Wren, 1; Carolina Wren, 8; **Catbird, 1**; Robin, 12; Eastern Bluebird, 2; Golden-crowned Kinglet, 4; Cedar Waxwing, 18; **Northern Shrike, 1**; Starling, 1562; House Sparrow, 702; **Eastern Meadowlark, 4**; Rusty Blackbird, 1; Common Grackle, 4; Brown-headed Cowbird, 2; Cardinal, 167; Purple Finch, 5; Am. Goldfinch, 15; Rufous-sided Towhee, 4; Slate-colored Junco, 337; Tree Sparrow, 292; Field Sparrow, 7; Song Sparrow, 90. **Total,** 62 species (1 additional hybrid); about 7287 individuals. (Seen in area count period, but not on count day: Screech Owl, Brown Thrasher.)—Carl A. Baier, Mrs. Howard Beauchamp, Donald N. Berendsen, Edna Black, Mrs. L. G. Chambers, Myron Owen Davies (compiler), Mrs. Owen J. Davies, Donald S. Dean, Leo Deininger, Florence Gray, Neil Henderson, Kathleen Hovanec, Mr. and Mrs. Roy D. Hudson, John Kason, Mr. and Mrs. William A. Klamm, Charles Koch, Frank McConoughey, Henry N. Merkle, Charles Robinson, Albert L. Sauer, Carol Schuele, Walter Schuele, Edward F. Schuster, Marian P. Schutler, Mike Stasko, Mr. and Mrs. Fred J. Stover, T. C. Surrarrer, Daniel F. Waugh.

264. Lancaster, Ohio (all points within a 15-mile diameter circle, center at Broad and Main Sts., approximately same route as previous 33 years; farmland 15%, deciduous woods 35%, stream banks 15%, city suburbs 35%).—Dec. 28; 7:45 a.m. to 5:15 p.m. Overcast; temp. 29° to 44°; wind NE, 2-5 m.p.h.; ground bare except for shaded slopes, ponds frozen, streams open. Three observers in 2 parties. Total party-hours, 16 (all on foot); total party-miles, 20 (all on foot). ► Cooper's Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 1; Bobwhite, 26 (2 coveys); Killdeer, 2; Mourning Dove, 28; Belted Kingfisher, 3; Yellow-shafted Flicker, 15; Pileated Woodpecker, 1; Red-bellied Woodpecker, 10; Hairy Woodpecker, 8; Downy Woodpecker, 60; Blue Jay, 71; Common Crow, 1; Carolina Chickadee, 80; Tufted Titmouse, 80; White-breasted Nuthatch, 14; Brown Creeper, 10; Winter Wren, 2; Carolina Wren, 37; Mockingbird, 2; Robin, 1; Eastern Bluebird, 8; Golden-crowned Kinglet, 6; Starling, 612; Myrtle Warbler, 2; House Sparrow, 399; Common Grackle, 3; Cardinal, 141; Purple Finch, 8; Am. Goldfinch, 10; Rufous-sided Towhee, 45; Slate-colored Junco, 308; Tree Sparrow, 321; Field Sparrow, 2; White-throated Sparrow, 16; Song Sparrow, 165. **Total,** 37 species; about 2500 individuals.—Florence Branum, Charles R. Goslin (compiler), Tom Guisinger.

265. Mohican Forest, Ohio (all points within a 15-mile diameter circle, center near Mohican State Park).—Dec. 27; 8 a.m. to 5 p.m. Partly cloudy to clear; temp. 31° to 44°; wind NW, up to 22 m.p.h.; lake ice-covered, streams mostly open, ground bare on south slopes, 11-in. snow in sheltered ravines. Nine observers in 5 parties. Total party-hours, 37 (23 on foot, 14 by car); total party-miles, 302 (32 on foot, 270 by car). ► Great Blue Heron, 2; Mallard, 2; Black Duck, 41; Cooper's Hawk, 3; Red-tailed Hawk, 15; Red-shouldered Hawk, 1; Bald Eagle, 1; Marsh Hawk, 1; Ruffed Grouse, 1; Bobwhite, 18; Ring-necked Pheasant, 1; Mourning Dove, 54; Belted Kingfisher, 4; Pileated Woodpecker, 10; Red-bellied Woodpecker, 21; Hairy Woodpecker, 18; Downy Woodpecker, 56; Horned Lark, 10; Blue Jay, 102; Common Crow, 44; Black-capped Chickadee, 3; Carolina Chickadee, 100; Tufted Titmouse, 70; White-breasted Nuthatch, 27; Red-breasted Nuthatch, 9; Brown Creeper, 6; Winter Wren, 7; Carolina Wren, 25; Eastern Bluebird, 17; Golden-crowned Kinglet, 34; Cedar Waxwing, 52; Starling, 735; House Sparrow, 638; Eastern Meadowlark, 1; Brown-headed Cowbird, 42; Cardinal, 142; Evening Grosbeak, 70; Purple Finch, 4; Am. Goldfinch, 16; Rufous-sided Towhee, 5; Slate-colored Junco, 144; Tree Sparrow, 342; Field Sparrow, 2; Swamp Sparrow, 2; Song Sparrow, 102. **Total,** 45 species; about 3000 individuals.—James Bruce (compiler), Alden Schaffter, May Schaffter, Stephen Simon, Roger Troutman.

266. New Lexington, Ohio (all points within a 15-mile diameter circle, center New Lexington Courthouse, including reservoir and 3 farm ponds; fields 45%, deciduous woods 35%, roadsides 10%, pine plantings 10%, 2 feeding stations).—Dec. 27; 8 a.m. to 5 p.m. Mostly fair; temp. 27° to 51°; wind S to SW, 0-10 m.p.h.; little snow cover, streams and ponds frozen. Three observers in 2 parties. Total party-hours, 18 (14 on foot, 4 by car); total party-miles, 146 (26 on foot, 120 by car). ► **Sharp-shinned Hawk, 1**; Sparrow Hawk, 6; Bobwhite, 24; Mourning Dove, 30; Yellow-shafted Flicker, 2; Red-bellied Woodpecker, 6; Hairy Woodpecker, 2; Downy Woodpecker, 19; Blue Jay, 10; Carolina Chickadee, 35; Tufted Titmouse, 24; White-breasted Nuthatch, 5; Brown Creeper, 1; Carolina Wren, 10; Mockingbird, 2; Eastern Bluebird, 29; Golden-crowned Kinglet, 1; Starling, 110; Myrtle Warbler, 2; House Sparrow, 35; Redwinged Blackbird, 9; Cardinal, 48; Am. Goldfinch, 37; Rufous-sided Towhee, 13; Slate-colored Junco, 56; Tree Sparrow, 49; Field Sparrow, 2; Song Sparrow, 25. **Total,** 28 species; about 593 individuals. (Seen in area count period, but not on count day: Common Grackle.)—George C. Droscha, John J. Saunders, Patrick G. Saunders (compiler).

267. O'Shaughnessy Reservoir Area, Ohio (all points within a 15-mile diameter circle, center about 2 miles north of O'Shaughnessy Dam; stream valleys and water 10%, town suburbs 12%, farmlands 60%, woodlands 10%, misc. 8%).—Dec. 22; 8 a.m. to 7:30 p.m. Overcast, some open sky p.m.; temp. 19° to 41°; wind W to NW, 0-18 m.p.h.; water areas frozen, ground mostly snow-covered. Two observers in 1-2 parties. Total party-hours, 14 (5 on foot, 9 by car); total party-miles, 136 (7 on foot, 129 by car). ► Canada Goose, 175; Mallard, 66; Black Duck, 125; Cooper's Hawk, 1; Red-tailed Hawk, 10; Red-shouldered Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 5; Bobwhite, 11; Ring-necked Pheasant, 1; Am. Coot, 1; Mourning Dove, 37; Yellow-shafted Flicker, 4; Red-bellied Woodpecker, 3; Red-headed Woodpecker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 17; Horned Lark, 5; Blue Jay, 51; Carolina Chickadee, 55; Tufted Titmouse, 19; White-breasted Nuthatch, 12; Brown Creeper, 11; Carolina Wren, 6; Mockingbird, 10; Robin, 1; Eastern Bluebird, 1; Golden-crowned Kinglet, 3; Starling, 484; Myrtle Warbler, 8; House Sparrow, 197; Eastern Meadowlark, 24; Redwinged Blackbird, 150; Rusty Blackbird, 2; Brown-headed Cowbird, 5; Cardinal, 26; Am. Goldfinch, 9; Slate-colored Junco, 25; Tree Sparrow, 73; Field Sparrow, 2; Song Sparrow, 9. **Total,** 41 species; about 1651 individuals.—A. H. Claugus (compiler), Ernie Limes.

268. Oxford, Ohio (all points within a 15-mile diameter circle, center Oxford as in previous years, including Hueston's Woods State Park, Lake Acton; wooded areas, principally along streams 75%, open fields and farmlands 25%).—Dec. 20; 8 a.m. to 5:30 p.m. Cloudy but clearing; temp. 20° to 27°; wind WNW, 3-5 m.p.h.; streams open, lake frozen. Ten observers in 3 parties. Total party-hours, 21 (18 on foot, 3 by car); total party-miles, 48 (18 on foot, 30 by car). ► Great Blue Heron, 2; Canada Goose, 13; Mallard, 570; Black Duck, 500; Am. Widgeon, 4; Cooper's Hawk, 3; Red-tailed Hawk, 11; Rough-legged Hawk, 1; Marsh Hawk, 10; Sparrow Hawk, 5; Bobwhite, 21; Ring-necked Pheasant, 1; Killdeer, 3; Common Snipe, 8; Mourning Dove, 104; Short-eared Owl, 2; Belted Kingfisher, 3; Yellow-shafted Flicker, 9; Red-bellied Woodpecker, 17; Red-headed Woodpecker, 5; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 3; Downy Woodpecker, 29; Horned Lark, 9; Blue Jay, 30; Common Crow, 41; Carolina Chickadee, 45; Tufted Titmouse, 33; White-breasted Nuthatch, 7; Red-breasted Nuthatch, 3; Brown Creeper, 4; Carolina Wren, 10; Mockingbird, 6; Robin, 29; Eastern Bluebird, 4; Golden-crowned Kinglet, 6; Cedar Waxwing, 41; Starling, 143; Myrtle Warbler, 5; House Sparrow, 390; Eastern Meadowlark, 47; Cardinal, 43; Am. Goldfinch, 7; Rufous-sided Towhee, 7; Slate-colored Junco, 112; Tree Sparrow, 230; Field Sparrow, 14; White-crowned Sparrow, 23; White-throated Sparrow, 2; Fox Sparrow, 1; Song Sparrow, 41. **Total,** 51 species; about 2659 individuals.—Paul Daniel, Gary Doxtater, Willis Harbaum, Mr. and Mrs. R. A. Hefner, Mrs. Paul Logan, R. L. Strecker (compiler).

269. Plymouth, Ohio (all points within a 15-mile diameter circle, center Plymouth; covering 5 miles east, 2 miles north, 5 miles west of Plymouth, including Willard Marsh Wildlife Area; roadsides 10%, stream and pond edges 10%, beech-maple climax forest 20%, fields and meadows 10%, rolling upland and mixed deciduous trees 25%, weedy swamp and muckland 25%).—Dec. 27; 8 a.m. to 5 p.m.; temp. 33° to 48°; wind SW, 0-5 m.p.h.; ponds and streams frozen, 4-in. snow rapidly disappearing. Four observers in 1 party. Total party-hours, 9 (8 on foot, 1 by car); total party-miles, 26 (8 on foot, 18 by car). ► Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Marsh Hawk, 3; Bobwhite, 26; Ring-necked Pheasant, 1; **King Rail, 2** (4 observers at 5 to 20 ft.); Mourning Dove, 15; Great Horned Owl, 1; Red-bellied Woodpecker, 10; Red-headed Woodpecker, 9; Hairy Woodpecker, 11; Downy Woodpecker, 18; Horned Lark, 8; Blue Jay, 36; Black-capped Chickadee, 17; Tufted Titmouse, 17; White-breasted Nuthatch, 25; Starling, 39; House Sparrow, 92; Cardinal, 39; Am. Goldfinch, 9; Rufous-sided Towhee, 4; Slate-colored Junco, 22; Tree Sparrow, 71; Swamp Sparrow, 2; Song Sparrow, 31. **Total,** 27 species; about 511 individuals. (Seen in area count period, but not on count day: Mallard, Belted Kingfisher, Yellow-shafted Flicker, Golden-crowned Kinglet.)—Floyd B. Chapman, Maynard J. Coon, Robert C. Haas (compiler), Vance W. Snyder.

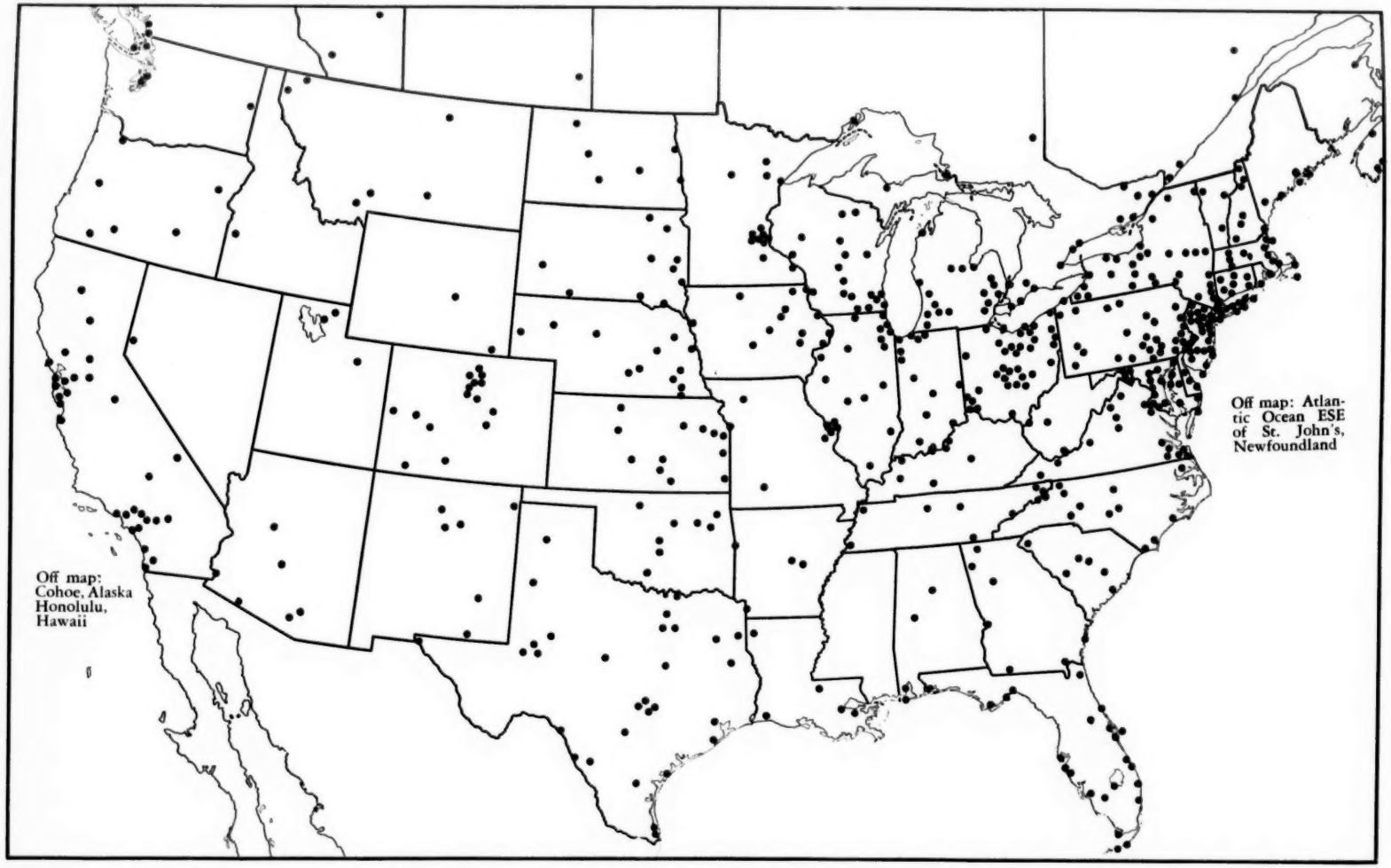
270. Portsmouth, Ohio (all points within a 15-mile diameter circle, center 7 miles NW of Portsmouth as in previous years).—Dec. 20; 7:30 a.m. to 8:30 p.m. Cloudy, some snow; temp. 25° to 30°; wind NNW, 6 m.p.h. Nineteen observers in 5 parties.

Total party-hours, 47 (12 on foot, 35 by car); total party-miles, 186 (16 on foot, 170 by car). ► Canada Goose, 10; Mallard, **471**; Black Duck, **1560**; Common Goldeneye, 3; Common Merganser, 1; Cooper's Hawk, 2; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; **Broad-winged Hawk, 1** (carefully identified—E. H., P. D.); Marsh Hawk, 8; Sparrow Hawk, 15; Bobwhite, 46; Killdeer, 11; Mourning Dove, 34; Screech Owl, 2; Yellow-shafted Flicker, 12; Pileated Woodpecker, 1; Red-bellied Woodpecker, 10; Red-headed Woodpecker, 2; Hairy Woodpecker, 13; Downy Woodpecker, 28; Horned Lark, 41; Blue Jay, 144; Common Crow, 307; Carolina Chickadee, 135; Tufted Titmouse, 84; White-breasted Nuthatch, 63; Red-breasted Nuthatch, 1; Brown Creeper, 7; Winter Wren, 5; Carolina Wren, 22; Mockingbird, 9; Robin, 9; Eastern Bluebird, 20; Golden-crowned Kinglet, 2; Cedar Waxwing, 42; Starling, 571; Myrtle Warbler, 21; House Sparrow, 719; Eastern Meadowlark, 4; Redwinged Blackbird, 148; Rusty Blackbird, **42**; Common Grackle, 32; Brown-headed Cowbird, 22; Cardinal, 503; Purple Finch, 83; Am. Goldfinch, **622**; Slate-colored Junco, 890; Tree Sparrow, 50; Field Sparrow, 11; White-crowned Sparrow, 14; White-throated Sparrow, 54; Swamp Sparrow, 7; Song Sparrow, 128. **Total,** 54 species; about 7045 individuals. (Seen in area count period, but not on count day: Ruffed Grouse, Barn Owl, Barred Owl.)—Gertrude Brandel, Harry Brandel, A. H. Claugus, James Donaldson, Maureen Doyle, Paul Doyle, Charles Eulett, Earl Hayes, Paulette Kees, Elsie Knighton, Harry Knighton (compiler), Ernest Limes, Leonard Myers, Allan Nickel, Virginia Nickel, Conrad Roth, Howard Webb, Miriam Webb, Verna Woods.

271. Salem, Ohio (all points within a 15-mile diameter circle, center 2½ miles south of center of city; lake shore 1%, marsh 2%, open fields 3%, brushland 5%, wooded valley 89%).—Dec. 21; 7:30 a.m. to 5:15 p.m. Clear most of day; temp. 15° to 20°; calm; 4-in. snow on ground. Five observers in 3 parties. Total party-hours, 17 (16 on foot, 1 by car); total party-miles, 35 (27 on foot, 8 by car). ► Cooper's Hawk, 1; Red-tailed Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 4; Mourning Dove, 5; Screech Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Red-bellied Woodpecker, 10; Red-headed Woodpecker, 4; Hairy Woodpecker, 17; Downy Woodpecker, 33; Horned Lark, 31; Blue Jay, 34; Common Crow, 26; Black-capped Chickadee, 12; Carolina Chickadee, 42; Tufted Titmouse, 58; White-breasted Nuthatch, 40; Red-breasted Nuthatch, 2; Brown Creeper, 5; Winter Wren, 1; Carolina Wren, 10; **Mockingbird, 1** (carefully identified—R. B.); Golden-crowned Kinglet, 11; Ruby-crowned Kinglet, 1; Starling, 206; House Sparrow, 335; Rusty Blackbird, 1; Common Grackle, 1; Cardinal, 108; Pine Siskin, 20; Am. Goldfinch, 2; Rufous-sided Towhee, 3; Slate-colored Junco, 145; Tree Sparrow, 171; Field Sparrow, 3; Swamp Sparrow, 2; Song Sparrow, 42; Snow Bunting, 6. **Total,** 40 species; about 1399 individuals. —William Baker (compiler), Roy A. Booth, Albert T. Hartley, Donald Hartley, Doris Hartley, Edward N. Kirk.

272. Steubenville, Ohio (the same 15-mile diameter circle with slightly different coverage; deciduous woods 25%, farmland 25%, roadside 15%, bushy fields 12%, cemetery and golf course 13%, pineland 5%, swampy woods 5%).—Dec. 27; 8 a.m. to 5:45 p.m. Partly cloudy; temp. 16° to 40°; wind W, gusts to 12 m.p.h. Sixteen observers in 4 parties. Total party-hours, 39 (38 on foot, 1 by car); total party-miles, 57 (37 on foot, 20 by car). ► Pied-billed Grebe, 1; Mallard, 1; Black Duck, 6; Common Goldeneye, 5; Hooded Merganser, 3; Cooper's Hawk, 4; Red-tailed Hawk, 5; Ruffed Grouse, 3; Mourning Dove, 4; Belted Kingfisher, 4; Pileated Woodpecker, 4; Red-bellied Woodpecker, 9; Hairy Woodpecker, 7; Downy Woodpecker, 53; Horned Lark, 83; Blue Jay, 2; Common Crow, 20; Black-capped Chickadee, 8; Carolina Chickadee, 81; Tufted Titmouse, 59; White-breasted Nuthatch, 11; Brown Creeper, 1; Winter Wren, 2; Carolina Wren, 10; Mockingbird, 1; Robin, 1; Eastern Bluebird, 10; Ruby-crowned Kinglet, 2; Cedar Waxwing, 12; Starling, 241; House Sparrow, 276; Eastern Meadowlark, 2; Redwinged Blackbird, 1; Cardinal, 103; Am. Goldfinch, 1; Rufous-sided Towhee, 2; Slate-colored Junco, 204; Tree Sparrow, 127; Field Sparrow, 2; Song Sparrow, 43. **Total,** 40 species; about 1414 individuals. (Seen in area count period, but not on count day: Yellow-shafted Flicker.)—Clinton S. Banks (compiler), Robert Conti, R. L. Dailey, Earl Farmer, Diane Hoffman, Arthur Johnson, Alice Koch, Carl Koch, Ronald McKee, Alberta Miller, Don Miller, Rebecca Miller, Ralph Musser, Melvin Rothrock, Albert R. Tenney, Floyd Wells (The Forest Audubon Club).

273. Tiffin, Ohio (all points within a 15-mile diameter circle, center at intersection of County Roads 50 and 15; open fields 40%, shrubby fields 5%, upland evergreen forest 4%, upland deciduous forest 10%, bottomland deciduous forest along streams 31%, misc. 10%).—Jan. 1; 8 a.m. to 4:45 p.m. Intermittent rain; temp. 35° to 41°; wind SW, 5-10 m.p.h.; streams mostly frozen. Seventeen observers in 9 parties. Total party-hours, 85 (38 on foot, 47 by car); total party-miles, 332 (15 on foot, 317 by car). ► Great Blue Heron, 1; Mallard, 1; Black Duck, 2; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 10; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 4; Bobwhite, 24; Herring Gull, 1; Mourning Dove, 115; Screech Owl, 1; Great Horned Owl, 1; Long-eared Owl, 12; Belted Kingfisher, 2; Yellow-shafted Flicker, 16; Red-bellied Woodpecker, 18; Red-headed Woodpecker, 20; Hairy Woodpecker, 15; Downy Woodpecker, 83; Horned Lark, 6; Blue Jay, 49; Black-capped Chickadee, 32; Tufted Titmouse, 93; White-breasted Nuthatch, 68; Brown Creeper, 14; Carolina Wren, 7; Golden-crowned Kinglet, 1; Starling, 1275; House Sparrow, 844; Eastern Meadowlark, 6; Cardinal, 106; Rufous-sided Towhee, 5; Slate-colored Junco, 53; Tree Sparrow, 79; Song Sparrow, 62. **Total,** 38 species; about 3032 individuals.—Howard Hintz, Mrs. W. C. Knoblaugh (compiler), A. G. McQuate, Larry Tiell (Seneca Nature Club).



Distribution of the Fifty-ninth Christmas Bird Count

274. Toledo, Ohio (all points within a 15-mile diameter circle, center Toledo, including 3 miles of Swan Creek Valley, 5 miles of Ottawa River Valley, edge of Cedar Point Marsh, Erie Marsh, Mich.; open water 0.5%, cultivated fields, 5%, wooded cattail marsh edge 30%, open deciduous forest and park 64.5%).—Dec. 21; 7:30 a.m. to 5 p.m. Little sunshine; temp. 15° to 23°; wind E, 7 m.p.h.; 4-in. snow on ground at start, streams open. Twenty-seven observers in 6 parties. Total party-hours, 38 (34 on foot, 4 by car); total party-miles, 85 (40 on foot, 45 by car). ► Horned Grebe, 4; Great Blue Heron, 11; Mallard, 4026; Black Duck, 1183; Ring-necked Duck, 1; Canvasback, 25; Greater Scaup, 3; Lesser Scaup, 1; Common Goldeneye, 43; Ruddy Duck, 4; Hooded Merganser, 1; Common Merganser, 14; Cooper's Hawk, 3; Red-tailed Hawk, 7; Rough-legged Hawk, 2; Marsh Hawk, 6; Sparrow Hawk, 14; Bobwhite, 36; Ring-necked Pheasant, 91; Am. Coot, 4; Great Black-backed Gull, 2; Herring Gull, 452; Ring-billed Gull, 350; Bonaparte's Gull, 1; Mourning Dove, 205; Screech Owl, 4; Great Horned Owl, 5; Barred Owl, 1; Short-eared Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 6; Hairy Woodpecker, 8; Downy Woodpecker, 68; Horned Lark, 20; Blue Jay, 57; Common Crow, 47; Black-capped Chickadee, 4; Tufted Titmouse, 68; White-breasted Nuthatch, 11; Brown Creeper, 27; Winter Wren, 3; Carolina Wren, **18**; Robin, 11; Hermit Thrush, 1; Golden-crowned Kinglet, 13; Cedar Waxwing, 45; Starling, 578; House Sparrow, 768; Eastern Meadowlark, 16; Red-winged Blackbird, 60; Common Grackle, 1; Brown-headed Cowbird, 5; Cardinal, 202; Evening Grosbeak, 9; Purple Finch, 1; Pine Siskin, 18; Am. Goldfinch, 26; Rufous-sided Towhee, 2; Slate-colored Junco, 252; **Oregon Junco, 1** (3 observers); Tree Sparrow, 340; White-throated Sparrow, 2; Swamp Sparrow, 21; Song Sparrow, 147. **Total,** 64 species; about 9357 individuals. (Seen in area count period, but not on count day: Pintail, Eastern Bluebird, Myrtle Warbler, Common Redpoll.)—Miriam Bell, J. B. Brace, Grace and Otis Bridges, L. W. Campbell (compiler), Robert Crofts, Dennis Genzman, Robert Hayman, Lawrence Hiett, Mr. and Mrs. Harold Holt, Richard Kellermeier, Reg Kelly, Henrietta Marimon, Harold, John and Charles Mayfield, John McCormick, James Nessle, Betty Rich, Jerry Scott, William Smith, Joseph Sweeney, Robert Turner, Laurel Van Camp, Beatrice Waterbury, E. Weaver (Toledo Naturalists' Association).

275. Utica, Ohio (all points within a 15-mile diameter circle, center in SE Washington Township as in past 9 years; beech-maple climax 30%, open farmland 15%, rolling upland with oak-hickory climax and mixed deciduous trees 20%, brushy thickets 5%, lowland and brushy stream edges 30%).—Dec. 21; 7 a.m. to 5:30 p.m. Heavy overcast; temp. 16° to 26°; wind W, 0-7 m.p.h.; 4-in. crusted snow, water frozen except a few riffles. Nine observers in 4 parties. Total party-hours, 35 (29 on foot, 6 by car); total party-miles, 142 (26 on foot, 116 by car). ► Great Blue Heron, 1; **Am. Widgeon, 1**; **Lesser Scaup, 1**; Turkey Vulture, 12; Cooper's Hawk, 9; Red-tailed Hawk, 17; Red-shouldered Hawk, 1; Rough-legged Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 1; Ruffed Grouse, 4; Bobwhite, 116 (12 coveys); Ring-necked Pheasant, 1; Mourning Dove, **408**; Barn Owl, 2; Screech Owl, 1; Great Horned Owl, 7; Barred Owl, 2; Long-eared Owl, 1; Yellow-shafted Flicker, 37; Pileated Woodpecker, 6; Red-bellied Woodpecker, 89; Red-headed Woodpecker, 41; Yellow-bellied Sapsucker, 7; Hairy Woodpecker, 23; Downy Woodpecker, 136; Horned Lark, 69 (Prairie and Northern); Blue Jay, 122; Common Crow, 3; Carolina Chickadee, 147; Tufted Titmouse, 123; White-breasted Nuthatch, 119; Red-breasted Nuthatch, 1; Brown Creeper, 18; Winter Wren, 3; Carolina Wren, 29; Mockingbird, 3; Robin, 7; Hermit Thrush, 1; Eastern Bluebird, 43; Golden-crowned Kinglet, 4; **Ruby-crowned Kinglet, 2** (M. G.); Cedar Waxwing, 2; Starling, 8971; Myrtle Warbler, 2; House Sparrow, 1699; Eastern Meadowlark, 28; Red-winged Blackbird, **3200**; Rusty Blackbird, 401; Common Grackle, **24,003**; Brown-headed Cowbird, **3600**; Cardinal, 168; **Evening Grosbeak, 5** (Mrs. C. W.); **Pine Siskin, 8**; Am. Goldfinch, 73; **Red Crossbill, 1** (Mrs. C. W.); Rufous-sided Towhee, 34; Slate-colored Junco, 120; Tree Sparrow, 351; Field Sparrow, **18** (2 parties); White-crowned Sparrow, 8; White-throated Sparrow, 2; Swamp Sparrow, 5; Song Sparrow, **261**. **Total,** 64 species (1 additional race); about 44,581 individuals. (Seen in area count period, but not on count day: Mallard, Bald Eagle.)—Joseph Beatty, Joseph Berg, Mrs. Joseph Berg, William Goslin, Marie Greider, Lee Kramer, Roger Troutman, C. R. Wagner, Mrs. C. R. Wagner (compiler).

276. Van Wert, Ohio (all points within a 15-mile diameter circle, center County Court House; open farmland 45%, deciduous swamp forest 40%, urban and suburban 10%, farmyards 5%).—Dec. 28; 7:30 a.m. to 5 p.m. Clear; temp. 18° to 50°; wind NNE, 5-7 m.p.h.; creeks and reservoir frozen, no snow. Nine observers in 5 parties. Total party-hours, 22 (14 on foot, 8 by car); total party-miles, 115 (17 on foot, 98 by car). ► Mallard, 3; Turkey Vulture, 1; Red-tailed Hawk, 6; Rough-legged Hawk, 1; Marsh Hawk, 8; Sparrow Hawk, 9; Ring-necked Pheasant, 26; Mourning Dove, 109; Great Horned Owl, 1; Barred Owl, 1; Yellow-shafted Flicker, 5; Red-headed Woodpecker, 16; Hairy Woodpecker, 4; Downy Woodpecker, 25; Horned Lark, 23; Blue Jay, 35; Common Crow, 25; Black-capped Chickadee, 2; Tufted Titmouse, 53; White-breasted Nuthatch, 21; Brown Creeper, 2; Carolina Wren, 1; Golden-crowned Kinglet, 2; Cedar Waxwing, 2; Loggerhead Shrike, 1; Starling, 742; House Sparrow, 623; Common Grackle, 5; Cardinal, 27; Slate-colored Junco, 33; Tree Sparrow, 121; Song Sparrow, 32. **Total,** 32 species; about 1965 individuals. (Seen in area count period, but not on count day: Robin.)—Arthur S. Brooks, Bill Feigert, E. C. Feigert, C. Dan Pennell, Donald Shaw, Jr., Denton Stetler, Sylvia Stetler, Don Williams, J. Fred Williams (compiler) (Upper Maumee Valley Naturalist Club).

277. **Warren, Ohio** (all points within a 15-mile diameter circle, center Warren).—Dec. 20; 7:30 a.m. to 4 p.m. Sunny; temp. 10° to 16°; no wind; snow crusted, small waters open. Thirty-two observers in 10 parties. Total party-hours, 106 (93 on foot, 13 by car); total party-miles, 98 (33 on foot, 65 by car). ► Black Duck, 26; Cooper's Hawk, 4; Red-tailed Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 3; Ruffed Grouse, 1; Bobwhite, 31; Ring-necked Pheasant, 23; Ring-billed Gull, 3; Mourning Dove, 38; Barred Owl, 5; Belted Kingfisher, 1; Yellow-shafted Flicker, 2; Pileated Woodpecker, 1; Red-bellied Woodpecker, 2; Hairy Woodpecker, 9; Downy Woodpecker, 35; Blue Jay, 149; Common Crow, 265; Black-capped Chickadee, 55; Tufted Titmouse, 34; White-breasted Nuthatch, 26; Brown Creeper, 1; Winter Wren, 1; Carolina Wren, 3; Golden-crowned Kinglet, 2; Cedar Waxwing, 15; Starling, 1487; House Sparrow, 1066; Rusty Blackbird, 4; Common Grackle, 11; Brown-headed Cowbird, 5; Cardinal, 110; Am. Goldfinch, 14; Slate-colored Junco, 201; Tree Sparrow, 208; Field Sparrow, 3; **Fox Sparrow, 2** (at feeder); Song Sparrow, 23; Snow Bunting, 26. **Total,** 40 species; about 3898 individuals.—Georgene Smith (compiler) (Trumbull Bird and Nature Club).

278. **Wooster, Ohio** (all points within a 15-mile diameter circle, center on Route 3 about 1 mile NE of Springville, including Secrest Arboretum, Killbuck Valley, Mohican Valley near Funk; swamp forest 34%, upland forest 25%, fields and hedgerows 15%, cattail marsh 13%, roadsides 7%, conifer plantations 6%).—Dec. 20; 7 a.m. to 6 p.m. Clear; temp. 6° to 25°; wind variable, 0-5 m.p.h.; most water with thick ice, about 2-in. snow on ground. Fourteen observers in 7 parties. Total party-hours, 49½ (28½ on foot, 20 by car, 1 by plane); total party-miles, 328 (31 on foot, 247 by car, 50 by plane). ► Great Blue Heron, 8; Mallard, 17; Black Duck, 6; Sharp-shinned Hawk, 1; Cooper's Hawk, 5; Red-tailed Hawk, 28; Red-shouldered Hawk, 5; Marsh Hawk, 5; Sparrow Hawk, 2; Bobwhite, 50; Ring-necked Pheasant, 4; Killdeer, 5; Common Snipe, 14; Mourning Dove, 123; Barn Owl, 2; Screech Owl, 1; Great Horned Owl, 1; Barred Owl, 2; Belted Kingfisher, 6; Yellow-shafted Flicker, 10; Pileated Woodpecker, 5; Red-bellied Woodpecker, 11; Red-headed Woodpecker, 3; Hairy Woodpecker, 12; Downy Woodpecker, 67; Horned Lark, 1; Blue Jay, 107; Common Crow, 3; Carolina Chickadee, 100; Tufted Titmouse, 85; White-breasted Nuthatch, 42; Red-breasted Nuthatch, 1; Brown Creeper, 2; Winter Wren, 1; Carolina Wren, 20; Eastern Bluebird, 28; Golden-crowned Kinglet, 4; Cedar Waxwing, 19; Starling, 9350 (at roost); Myrtle Warbler, 4; House Sparrow, 311; Eastern Meadowlark, 43; Redwinged Blackbird, 12; Rusty Blackbird, 37; Common Grackle, 316; Brown-headed Cowbird, 12; Cardinal, 222; Am. Goldfinch, 43; Rufous-sided Towhee, 1; Slate-colored Junco, 114; Tree Sparrow, 574; White-crowned Sparrow, 4; White-throated Sparrow, 4; Swamp Sparrow, 49; Song Sparrow, 174. **Total,** 55 species; about 12,076 individuals.—Joseph A. Beatty, James Bruce (compiler), Charles Compton, William Goslin, Alden Schaffter, May Schaffter, Rodney Schaffter, Robert Sparr, Ted Sparr, Roger Troutman.

279. **Wyoming, Ohio** (all points within a 15-mile diameter circle, center farm of Philip Meyers; suburban 20%, open fields 40%, Beech woods 15%, second-growth woods 10%, scrub 15%).—Dec. 20; 7:30 a.m. to 5:30 p.m. Partly cloudy, snow flurries; temp. 20° to 26°; wind N, 0-5 m.p.h.; creeks and ponds frozen. Two observers in 1 party. Total party-hours, 10; total party-miles, 15 (all on foot). ► Red-tailed Hawk, 1; Bobwhite, 8; Killdeer, 1; Mourning Dove, 25; Barred Owl, 1; Yellow-shafted Flicker, 6; Red-bellied Woodpecker, 2; Red-headed Woodpecker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 15; Blue Jay, 18; Common Crow, 6; Carolina Chickadee, 39; Tufted Titmouse, 19; Brown Creeper, 3; Carolina Wren, 22; Mockingbird, 5; Robin, 3; Hermit Thrush, 1; Eastern Bluebird, 4; Starling, 3492; Myrtle Warbler, 2; House Sparrow, 35; Eastern Meadowlark, 3; Common Grackle, 2; Cardinal, 95; Am. Goldfinch, 28; Rufous-sided Towhee, 27; Slate-colored Junco, 60; Tree Sparrow, 19; White-throated Sparrow, 24; Swamp Sparrow, 1; Song Sparrow, 53. **Total,** 33 species; about 4023 individuals. (Seen in area count period, but not on count day: Sparrow Hawk, Eastern Phoebe, Horned Lark, Winter Wren, Field Sparrow.) —Richard Watkins, Paul Woodward (compiler).

280. **Youngstown, Ohio** (all points within a 15-mile diameter circle, center in south side of Youngstown; urban 15%, woods 30%, lakes and streams 15%, pasture 40%).—Dec. 28; 7 a.m. to 6 p.m. Heavy fog and icy driving until noon, cloudy; temp. 24° to 40°; wind S, 0-5 m.p.h. Twenty observers in 8 parties. Total party-hours, 58 (12 on foot, 45 by car, 1 in plane); total party-miles, 450 (130 on foot, 180 by car, 140 in plane). ► Mallard, 100; Black Duck, 1100; **Goshawk, 1**; Cooper's Hawk, 1; Red-tailed Hawk, 6; Red-shouldered Hawk, 5; Marsh Hawk, 2; Sparrow Hawk, 4; Bobwhite, 42 (3 coveys); Ring-necked Pheasant, 93; Mourning Dove, 154; Barn Owl, 2; Screech Owl, 2; Barred Owl, 2; Belted Kingfisher, 2; Yellow-shafted Flicker, 3; Pileated Woodpecker, 2; Red-bellied Woodpecker, 7; Red-headed Woodpecker, 2; Hairy Woodpecker, 27; Downy Woodpecker, 102; Horned Lark, 12; Blue Jay, 206; Common Crow, 100,000 (yes 100,000+); Black-capped Chickadee, 296; Tufted Titmouse, 48; White-breasted Nuthatch, 81; Red-breasted Nuthatch, 3; Brown Creeper, 1; Carolina Wren, 2; Mockingbird, 1; Robin, 1; Eastern Bluebird, 3; Golden-crowned Kinglet, 2; Cedar Waxwing, 68; Northern Shrike, 1; Starling, 3469; House Sparrow, 766; Eastern Meadowlark, 7; Redwinged Blackbird, 16; Common Grackle, 60; Brown-headed Cowbird, 19; Cardinal, 197; Pine Siskin, 6; Am. Goldfinch, 14; Rufous-sided Towhee, 16; Slate-colored Junco, 188; Tree Sparrow, 210; Song Sparrow, 41. **Total,** 49 species; about 107,393 individuals. (Seen in area count period, but not on count day: Pied-billed Grebe, Pintail, Sharp-shinned Hawk, Bald Eagle, Herring Gull, Ring-billed Gull, Yellow-bellied Sapsucker, Winter Wren, Rusty Backbird.)—Vincent P. McLaughlin (compiler) (Grant M. Cook Bird Club and guests).

281. Zanesville, Ohio (all points within a 15-mile diameter circle, center Government Nursery north of Zanesville, includes part of Zanesville, Dresden, Y.M.C.A. and Girl Scout Camps; wooded hills 35%, open farmland 60%, suburban 5%).—Dec. 28; 6 a.m. to 5:30 p.m. Clear; temp. 19° to 47°; wind N, 8 m.p.h.; ground ¼ snow-covered, lakes frozen, river partly open. Seventeen observers in 6 parties. Total party-hours, 99 (20 on foot, 79 by car); total party-miles, 465 (31 on foot, 434 by car). ► Great Blue Heron, 1; Mallard, 9; **Pintail, 3**; Cooper's Hawk, 8; Red-tailed Hawk, 12; Marsh Hawk, 3; Sparrow Hawk, 16; Bobwhite, 43; Killdeer, 1; Mourning Dove, 46; Great Horned Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 11; Pileated Woodpecker, 5; Red-bellied Woodpecker, 17; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 16; Downy Woodpecker, 28; Horned Lark, 1; Blue Jay, 57; Common Crow, 12; Carolina Chickadee, 100; Tufted Titmouse, 84; White-breasted Nuthatch, 10; Brown Creeper, 1; Winter Wren, 1; Carolina Wren, 11; Mockingbird, 5; Robin, 4; Eastern Bluebird, 104; Golden-crowned Kinglet, 8; Cedar Waxwing, 38; Starling, 2181; House Sparrow, 463; Eastern Meadowlark, 4; **Rusty Blackbird, 11**; **Common Grackle, 43**; **Brown-headed Cowbird, 42**; Cardinal, 153; Am. Goldfinch, 18; **Rufous-sided Towhee, 5**; Slate-colored Junco, 47; Tree Sparrow, 71; Song Sparrow, 24. **Total,** 44 species; about 3723 individuals. (Seen in area count period, but not on count day: Hermit Thrush, Northern Shrike, Myrtle Warbler, White-throated Sparrow.)—David Barnes, W. H. Barnes, Mrs. Joe Buzza, Margo Custer, Gerald Doig, Kenneth Gale, Deborah Gale, Richard Hand, Jack Lowry, Ralph Lowry, Janet LeRoy (compiler), Mildred Lonon, Mr. and Mrs. Fred Merrell, Joe Nelson, Lester Nelson, Judith Smith.

282. Athens, W. Va. (all points within a 15-mile diameter circle, center same since 1945).—Dec. 26; 7 a.m. to 5:30 p.m.; temp. 16° to 30°; wind N, 0-5 m.p.h.; ground bare, heavy ice on smaller streams, some open water on reservoir. Two observers in 1 party. Total party-hours, 10 (8 on foot, 2 by car); total party-miles, 88 (20 on foot, 68 by car). ► Horned Grebe, 4; Mallard, 158; Black Duck, 340; Common Goldeneye, 87; Bufflehead, 1; Ruddy Duck, 1; Hooded Merganser, 18; Belted Kingfisher, 1; Red-bellied Woodpecker, 2; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 5; Blue Jay, 3; Common Crow, 12; Carolina Chickadee, 9; Tufted Titmouse, 10; White-breasted Nuthatch, 3; Winter Wren, 1; Carolina Wren, 4; Mockingbird, 9; Eastern Bluebird, 8; Golden-crowned Kinglet, 1; Loggerhead Shrike, 5; Starling, 115; House Sparrow, 55; Eastern Meadowlark, 7; Cardinal, 31; Purple Finch, 2; Am. Goldfinch, 1; Slate-colored Junco, 58; Field Sparrow, 1; White-throated Sparrow, 6; Song Sparrow, 5. **Total,** 32 species; about 965 individuals. (Seen in area count period, but not on count day: Cooper's Hawk, Sparrow Hawk, Bewick's Wren, Brown Thrasher.)—Clarice C. Bibbee, Paul C. Bibbee (compiler).

283. Charleston, W. Va. (all points within a 15-mile diameter circle; Kanawha River Valley and adjacent hills from mid-Kanawha City to Nitro, Kanawha Airport, Coonskin Park, South Hills, Joplin Hollow, Big Spring Fork, Tyler Mountain; open farmland and grassland 10%, urban 50%, deciduous woodland 40%).—Jan. 1; 6:30 a.m. to 5:30 p.m. Heavy overcast, hard shower at 2:30 p.m.; temp. 44° to 52°; wind S, 0-15 m.p.h.; ground bare, still water frozen. Eight observers in 5 parties. Total party-hours, 39 (26 on foot, 13 by car); total party-miles, 122 (30 on foot, 92 by car). ► Horned Grebe, 1; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Sparrow Hawk, 7; Ruffed Grouse, 1; Bobwhite, 12; Killdeer, 31; Common Snipe, 1; Screech Owl, 1; Yellow-shafted Flicker, 15; Pileated Woodpecker, 3; Red-bellied Woodpecker, 3; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 8; Downy Woodpecker, 32; Horned Lark, 27; Blue Jay, 128; Common Crow, 451; Carolina Chickadee, 167; Tufted Titmouse, 164; White-breasted Nuthatch, 26; Brown Creeper, 5; Winter Wren, 1; Carolina Wren, 83; Mockingbird, 7; Robin, 71; Eastern Bluebird, 23; Golden-crowned Kinglet, 26; Ruby-crowned Kinglet, 3; Starling, 1377; Myrtle Warbler, 50; House Sparrow, 191; Eastern Meadowlark, 10; Brown-headed Cowbird, 2; Cardinal, 197; Purple Finch, 52; Am. Goldfinch, 77; Rufous-sided Towhee, 188; Slate-colored Junco, 243; Tree Sparrow, 9; Field Sparrow, 104; White-crowned Sparrow, 1; White-throated Sparrow, 256; Fox Sparrow, 17; Song Sparrow, 173. **Total,** 46 species; about 4252 individuals.—Kenneth H. Anderson, C. O. Handley, Sr. (compiler), George F. Hurley, Lillian McGurl, Anne Shreve, John Smith, Julian Tinsley, Fred A. Woods (Handlan Chapter, Brooks Bird Club).

284. Charles Town, W. Va. (all points within a 15-mile diameter circle, center 3½ miles north of Charles Town as in past 7 years; Federal Fish Hatchery, Leetown, along R.R. to Charles Town, to Aldridge, Flowing Springs meadow, along Shenandoah River from Bloomery to Millville, along road Kearneysville to Shephardstown, along River Road to Knotts Island; small ponds 10%, stream banks 15%, weedy fields 10%, mature oak forest 15%, cattail marsh 25%, farm fields 25%).—Dec. 30; 7 a.m. to 5:30 p.m. Clear a.m.; temp. 30° to 40°; wind SE, 5-15 m.p.h. Four observers in 1 party. Total party-hours, 10½ (6 on foot, 4½ by car); total party-miles, 95 (10 on foot, 85 by car). ► Pied-billed Grebe, 1; **Black-crowned Night Heron, 1**; Mallard, 3; Bufflehead, 1; Common Merganser, 5; Turkey Vulture, 7; Sparrow Hawk, 1; Bobwhite, 6; Killdeer, 32; Common Snipe, 20; Mourning Dove, 3; Belted Kingfisher, 2; Yellow-shafted Flicker, 1; Pileated Woodpecker, 1; Red-bellied Woodpecker, 1; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 10; Horned Lark, 25; Blue Jay, 1; Common Crow, 5000; Carolina Chickadee, 9; Tufted Titmouse, 5; White-breasted Nuthatch, 2; Brown Creeper, 2; Carolina Wren, 4; Mockingbird, 18; Robin, 4; Eastern Bluebird, 2; Golden-crowned Kinglet, 8; Cedar Waxwing, 2; Starling, 235; House Sparrow, 212; Eastern Meadowlark, 42; Rusty Blackbird, 8; Brown-headed Cowbird, 4; Cardinal, 60; Am. Goldfinch, 167; Slate-colored Junco, 27; Tree

Sparrow, 16; Field Sparrow, 2; White-crowned Sparrow, 135; White-throated Sparrow, 31; Song Sparrow, 32. **Total,** 43 species; about 6149 individuals. —Mr. and Mrs. Frank H. Anderson, Mrs. Hugh Caperton, Clark Miller (compiler).

285. Huntington, W. Va. (all points within a 15-mile diameter circle, center same as in 1940 and subsequent counts).—Dec. 28; 6:30 a.m. to 5 p.m. Cloudy, light rain p.m.; temp. 37° to 47°; no wind; ground bare, partly frozen. Ten observers in 12 parties. Total party-hours, 40 (35 on foot, 5 by car); total party-miles, 126 (36 on foot, 90 by car). ► Pied-billed Grebe, 1; Great Blue Heron, 3; Mallard, 8; Black Duck, 20; Gadwall, 5; Bufflehead, 7; Hooded Merganser, 1; Cooper's Hawk, 1; Peregrine Falcon, 1; Sparrow Hawk, 20; Bobwhite, 9; Am. Coot, 2; Killdeer, 12; Herring Gull, 4; Mourning Dove, 8; Screech Owl, 1; Barred Owl, 2; Belted Kingfisher, 2; Yellow-shafted Flicker, 17; Pileated Woodpecker, 6; Red-bellied Woodpecker, 9; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 6; Hairy Woodpecker, 15; Downy Woodpecker, 84; Horned Lark, 53; Blue Jay, 93; Common Crow, 600; Carolina Chickadee, 209; Tufted Titmouse, 185; White-breasted Nuthatch, 47; Brown Creeper, 1; Winter Wren, 3; Carolina Wren, 83; Short-billed Marsh Wren, 1; Mockingbird, 15; Robin, 15; Hermit Thrush, 2; Eastern Bluebird, 35; Golden-crowned Kinglet, 3; Cedar Waxwing, 4; Starling, 2000; Myrtle Warbler, 95; Palm Warbler, 1; House Sparrow, 177; Common Grackle, 3; Brown-headed Cowbird, 221; Cardinal, 392; Purple Finch, 12; Am. Goldfinch, 132; Rufous-sided Towhee, 92; Slate-colored Junco, 335; Tree Sparrow, 21; Chipping Sparrow, 2; Field Sparrow, 25; White-crowned Sparrow, 45; White-throated Sparrow, 163; Fox Sparrow, 3; Swamp Sparrow, 1; Song Sparrow, 399. **Total,** 60 species; about 5717 individuals.—Ralph M. Edeburn (compiler), George H. Gunnoe, Mrs. H. C. Hale, Tommy Igo, H. W. Lawless, Lois Garrett, Mrs. W. H. Odell, Mrs. Grady Risen, R. P. Van Blaricom, Rachael Wilson.

286. Inwood, W. Va. (all points within a 15-mile diameter circle, center Inwood as in past 8 years, including southern Berkely County from Big Spring to Va. line, and from Opequon Creek to top of North Mt.; apple and cherry orchards 20%, mature oak forests 10%, pasture fields 15%, open farm fields 20%, scrub pine, locust and sumac 30%, small streams and marshes 5%).—Dec. 29; 7 a.m. to 5:30 p.m. Cloudy a.m., rainy p.m.; temp. 27° to 45°; wind SE, 3-12 m.p.h. Three observers in 1 party. Total party-hours, 10½ (6½ on foot, 4 by car); total party-miles, 75 (8 on foot, 67 by car). ► Marsh Hawk, 1; Sparrow Hawk, 1; Bobwhite, 10 (2 coveys); Killdeer, 32; Common Snipe, 20; Mourning Dove, 2; Belted Kingfisher, 2; Yellow-shafted Flicker, 2; Pileated Woodpecker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 7; Blue Jay, 1; Common Crow, 166; Black-capped Chickadee, 1; Carolina Chickadee, 17; Tufted Titmouse, 7; Carolina Wren, 4; Mockingbird, 14; Eastern Bluebird, 4; Golden-crowned Kinglet, 28; Starling, 690; House Sparrow, 463; Eastern Meadowlark, 6; Rusty Blackbird, 10; Common Grackle, 2; Brown-headed Cowbird, 10; Cardinal, 77; Am. Goldfinch, 21; Slate-colored Junco, 177; Tree Sparrow, 59; Field Sparrow, 2; White-crowned Sparrow, 57; White-throated Sparrow, 12; Song Sparrow, 69. **Total,** 34 species; about 1977 individuals.—James Gutsell, Clark Miller (compiler), Trecla Miller.

287. Bowling Green, Ky. (all points within a 15-mile diameter circle, center same as in last 41 years).—Dec. 26; 6:15 a.m. to 4:30 p.m. Clear; temp. 18° to 40°; wind SW, 1-7 m.p.h. Four observers in 3 parties. Total party-hours, 23 (20 on foot, 3 by car); total party-miles, 60 (10 on foot, 50 by car). ► **Lesser Scaup, 6; Hooded Merganser, 5; Common Merganser, 1**; Turkey Vulture, 3; Black Vulture, 3; Cooper's Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 5; Rough-legged Hawk, 1; Sparrow Hawk, 5; Bobwhite, 22; Common Snipe, 1; Mourning Dove, 22; Yellow-shafted Flicker, 16; Pileated Woodpecker, 9; Red-bellied Woodpecker, 39; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 6; Hairy Woodpecker, 2; Downy Woodpecker, 14; Eastern Phoebe, 1; Horned Lark, 154; Blue Jay, 59; Common Crow, 452; Carolina Chickadee, 36; Tufted Titmouse, 40; White-breasted Nuthatch, 2; Brown Creeper, 4; Winter Wren, 2; Bewick's Wren, 1; Carolina Wren, 14; Mockingbird, 35; Robin, 6; Hermit Thrush, 2; Eastern Bluebird, 43; Golden-crowned Kinglet, 7; Loggerhead Shrike, 6; Starling, **204,300** (roost); Myrtle Warbler, 3; House Sparrow, 205; Eastern Meadowlark, 110; Redwinged Blackbird, 40; Rusty Blackbird, 125; Common Grackle, 34; Brown-headed Cowbird, 150; Cardinal, 191; Purple Finch, 10; Am. Goldfinch, 71; Rufous-sided Towhee, 33; Savannah Sparrow, 1; Slate-colored Junco, 126; Field Sparrow, 12; White-crowned Sparrow, 48; White-throated Sparrow, 159; Swamp Sparrow, 74; Song Sparrow, 46. **Total,** 56 species; about 206,744 individuals.—L. Y. Lancaster, Robert N. Pace, Charles L. Taylor, Gordon Wilson (compiler).

288. Danville, Ky. (all points within a 15-mile diameter circle, center court house as in previous years).—Dec. 27; 6:15 a.m. to 4:30 p.m. Mostly cloudy; temp. 30° to 47°; wind W, 6 m.p.h.; ground bare, ice on pond and stream edges. Eight observers in 4 parties. Total party-hours, 20 (7 on foot, 13 by car); total party-miles, 114 (9 on foot, 105 by car). ► Pied-billed Grebe, 2; Great Blue Heron, 1; Canada Goose, 15; **Blue Goose, 8** (with tame birds in farm pond); Mallard, 1230; Black Duck, 120; Gadwall, 1; Pintail, 1; Green-winged Teal, 5; Am. Widgeon, 20; Canvasback, 12; Lesser Scaup, 2; Common Goldeneye, 1; Ruddy Duck, 3; Hooded Merganser, 6; Turkey Vulture, 3; Red-tailed Hawk, 5; Sparrow Hawk, 10; Bobwhite, 2; Am. Coot, 4; Killdeer, 11; Mourning Dove, 6; Screech Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 1; Red-bellied Woodpecker, 5; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 25; Horned

Lark, 27; Blue Jay, 17; Common Crow, 1410; Carolina Chickadee, 125; Tufted Titmouse, 34; Brown Creeper, 2; Bewick's Wren, 3; Carolina Wren, 25; Mockingbird, 17; Robin, 3; Eastern Bluebird, 15; Golden-crowned Kinglet, 1; Loggerhead Shrike, 1; Starling, 1070; House Sparrow, 277; Eastern Meadowlark, 20; Common Grackle, 95; Brown-headed Cowbird, 10; Cardinal, 99; Am. Goldfinch, 19; Rufous-sided Towhee, 16; Vesper Sparrow, 2; Slate-colored Junco, 248; Field Sparrow, 24; White-crowned Sparrow, 35; White-throated Sparrow, 31; Fox Sparrow, 2; Song Sparrow, 49. **Total,** 57 species; about 5184 individuals.—Mrs. F. Powell Cheek, John Cheek, E. W. Cook, Jackson Davis, Scott Glore, Jr., Edna Drill Heck, Eddie Heck, F. H. Heck (compiler).

289. Henderson, Ky. (all points within a 15-mile diameter circle, center Audubon Museum in Audubon State Park; deciduous woods 50%, upland farms and fencerows 35%, riverbottom farmlands and sloughs 15%).—Dec. 29; 7 a.m. to 4 p.m. Cloudy and fog all day; temp. 30° to 38°; wind NW, 6 m.p.h. Eight observers in 3 parties. Total party-hours, 24 (18 on foot, 6 by car); total party-miles, 37 (8 on foot, 29 by car). ► Canada Goose, 87; Mallard, 170; Black Duck, 10; Turkey Vulture, 3; Cooper's Hawk, 4; Red-shouldered Hawk, 2; Rough-legged Hawk, 1; Bald Eagle, 1; Marsh Hawk, 1; Sparrow Hawk, 10; Bobwhite, 19; Killdeer, 12; Mourning Dove, 66; Great Horned Owl, 5; Barred Owl, 1; Yellow-shafted Flicker, 30; Pileated Woodpecker, 4; Red-bellied Woodpecker, 18; Red-headed Woodpecker, 5; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 8; Downy Woodpecker, 21; Horned Lark, 33; Blue Jay, 57; Common Crow, 124; Carolina Chickadee, 76; Tufted Titmouse, 37; White-breasted Nuthatch, 8; Red-breasted Nuthatch, 2; Brown Creeper, 2; Winter Wren, 3; Bewick's Wren, 4; Carolina Wren, 9; Mockingbird, 23; Brown Thrasher, 1; Robin, 3; Hermit Thrush, 1; Eastern Bluebird, 13; Ruby-crowned Kinglet, 1; Loggerhead Shrike, 1; Starling, 1210; Myrtle Warbler, 1; House Sparrow, 498; Eastern Meadowlark, 93; Western Meadowlark, 1; Redwinged Blackbird, 50; Common Grackle, 1100; Brown-headed Cowbird, 207; Cardinal, 49; Rufous-sided Towhee, 8; **Grasshopper Sparrow, 2**; Slate-colored Junco, 39; Chipping Sparrow, 5; Field Sparrow, 28; White-crowned Sparrow, 42; White-throated Sparrow, 27; Fox Sparrow, 4; Swamp Sparrow, 5; Song Sparrow, 11. **Total,** 59 species; about 4258 individuals.—Stanley Addy, King Benson, Mrs. Lora Clark, Mrs. Ross Parsons, W. P. Rhoads (compiler), Virginia Smith, Mrs. George Stanley, Mrs. Nat Stanley.

290. Kentucky Woodlands National Wildlife Refuge, Ky. (all points within a 15-mile diameter circle, center same as in previous years).—Dec. 28; 5:30 a.m. to 4:30 p.m. Foggy a.m., clear p.m.; temp. 28° to 49°; wind S to SW, 0-5 m.p.h. Five observers in 2 parties. Total party-hours, 15 (12 on foot, 3 by car); total party-miles, 42 (10 on foot, 32 by car). ► Great Blue Heron, 2; Canada Goose, 3000; Blue Goose, 3; Mallard, 1000; Black Duck, 100; Am. Widgeon, 1; Common Merganser, 8; Black Vulture, 2; Bald Eagle, 4; Sparrow Hawk, 3; Turkey, 1; Killdeer, 3; Mourning Dove, 20; Barred Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 25; Pileated Woodpecker, 8; Red-bellied Woodpecker, 28; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 16; Horned Lark, 20; Blue Jay, 50; Common Crow, 24; Carolina Chickadee, 16; Tufted Titmouse, 43; White-breasted Nuthatch, 14; Brown Creeper, 2; Carolina Wren, 17; Mockingbird, 4; Brown Thrasher, 1; Robin, 4; Hermit Thrush, 1; Eastern Bluebird, 27; Ruby-crowned Kinglet, 2; Cedar Waxwing, 30; Myrtle Warbler, 1; Eastern Meadowlark, 61; Cardinal, 153; Purple Finch, 13; Am. Goldfinch, 8; Rufous-sided Towhee, 34; Slate-colored Junco, 200; Field Sparrow, 6; White-throated Sparrow, 135; Fox Sparrow, 7; Song Sparrow, 3. **Total,** 48 species; about 5112 individuals. (Seen in area count period, but not on count day: Pintail, Wood Duck, Ring-necked Duck, Lesser Scaup, Am. Coot.)—Christine Hancock, Hunter M. Hancock (compiler), Gerhardt Megow, Clell T. Peterson, Lauren Putnam.

291. Kleber Song Bird Sanctuary, Ky. (all points within a 15-mile diameter circle, center in sanctuary; deciduous woods 10%, brushy fields 75%, grassy fields 15%).—Dec. 26; 7 a.m. to 4 p.m. Fair; temp. 15° to 30°; wind 1-3 m.p.h.; creeks frozen. Five observers in 2 parties. Total party-hours, 13 (9 on foot, 4 by car); total party-miles, 41 (9 on foot, 32 by car). ► Canada Goose, 22; Red-tailed Hawk, 8; Red-shouldered Hawk, 1; Marsh Hawk, 1; Bobwhite, 1; Killdeer, 8; Screech Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 10; Red-bellied Woodpecker, 14; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 3; Downy Woodpecker, 11; Horned Lark, 2; Blue Jay, 17; Common Crow, 40; Carolina Chickadee, 46; Tufted Titmouse, 28; Carolina Wren, 16; Mockingbird, 10; Robin, 31; Eastern Bluebird, 3; Golden-crowned Kinglet, 3; Cedar Waxwing, 20; Starling, 563; Myrtle Warbler, 12; House Sparrow, 74; Eastern Meadowlark, 31; Cardinal, 41; Purple Finch, 14; Am. Goldfinch, 95; Rufous-sided Towhee, 45; Slate-colored Junco, 303; Tree Sparrow, 4; Field Sparrow, 6; White-crowned Sparrow, 36; White-throated Sparrow, 24; Fox Sparrow, 18; Swamp Sparrow, 5; Song Sparrow, 63. **Total,** 40 species; about 1634 individuals.—Joseph Croft, Harvey B. Lovell (compiler), James Mullenex, Mr. and Mrs. F. W. Stamm.

292. Louisville, Ky. (all points within a 15-mile diameter circle, center on Highway 42 one mile southwest of junction of Highways 42 and 22; same area and coverage as last year).—Dec. 21; 5:30 a.m. to 5:30 p.m. Partly cloudy; temp. 22° to 35°; wind variable light; Ohio River and flowing streams open. Twenty-four observers in 8 parties. Total party-hours, 55 (38 on foot, 17 by car); total party-miles, 249 (24 on foot, 225 by car). ► Common Loon, 1; Horned Grebe, 7; **Western Grebe, 1** (present 2 weeks, many observers, count day Monroes); Pied-

billed Grebe, 1; Double-crested Cormorant, 1; Black-crowned Night Heron, 12; Mallard, 124; Black Duck, 288; Gadwall, 7; Pintail, 4; Am. Widgeon, 3; Redhead, 4; Ring-necked Duck, 75; Canvasback, 222; **Greater Scaup, 6**; Lesser Scaup, 418; Common Goldeneye, 25; Bufflehead, 2; Oldsquaw, 1; Ruddy Duck, 4; Hooded Merganser, 6; Common Merganser, 1; Black Vulture, 53; Sharp-shinned Hawk, 2; Cooper's Hawk, 4; Red-tailed Hawk, 7; Red-shouldered Hawk, 11; Marsh Hawk, 10; Peregrine Falcon, 1; Sparrow Hawk, 45; Bobwhite, 14; Am. Coot, 2; Killdeer, 10; Common Snipe, 2; Herring Gull, 115; Ring-billed Gull, 104; Mourning Dove, 50; Screech Owl, 2; Barred Owl, 3; Belted Kingfisher, 2; Yellow-shafted Flicker, 38; Pileated Woodpecker, 2; Red-bellied Woodpecker, 33; Yellow-bellied Sapsucker, 7; Hairy Woodpecker, 16; Downy Woodpecker, 56; Eastern Phoebe, 1; Horned Lark, 100 (3 Northern); Blue Jay, 95; Common Crow, 201; Carolina Chickadee, 123; Tufted Titmouse, 140; White-broasted Nuthatch, 10; Red-breasted Nuthatch, 3; Brown Creeper, 16; Winter Wren, 2; Bewick's Wren, 1; Carolina Wren, 58; Mockingbird, 106; **Catbird, 1**; Brown Thrasher, 1; Robin, 37; Eastern Bluebird, 51; Golden-crowned Kinglet, 5; Ruby-crowned Kinglet, 1; Cedar Waxwing, 15; Loggerhead Shrike, 4; Starling, 1,650,000; Myrtle Warbler, 8; House Sparrow, 655; Eastern Meadowlark, 264; Western Meadowlark, 1 (now regular); Redwinged Blackbird, 60,000; Rusty Blackbird, **60,000**; **Brewer's Blackbird, 2** (Stamms, Monroes); Common Grackle, 1,050,000; Brown-headed Cowbird, 180,000; Cardinal, 535; **Indigo Bunting, 1** (3 Dec. 13—Monroes); Purple Finch, 8; Pine Siskin, 1; Am. Goldfinch, 174; Rufous-sided Towhee, 74; Savannah Sparrow, 1; Slate-colored Junco, 798; Oregon Junco, 1; Tree Sparrow, 214; Field Sparrow, 117; White-crowned Sparrow, 157; White-throated Sparrow, 170; Fox Sparrow, 2; Swamp Sparrow, 69; Song Sparrow, 401; Lapland Longspur, 7. **Total,** 94 species (1 additional race); about 3,006,433 individuals. (Seen in area count period, but not on count day: Turkey Vulture, **Glaucous Gull, Chipping Sparrow**.)—Mr. and Mrs. Yancey Altsheler, Leonard C. Brecher, Floyd Carpenter, Mrs. W. R. Cole, Joseph E. Croft, Joan Eschrich, Mary Ann Eschrich, Frank X. Krull, Harvey B. Lovell, Mrs. Spencer Martin, Burt L. Monroe, Jr., Burt L. Monroe, Sr. (compiler), Mrs. H. V. Noland, Louis H. Pieper, Marie E. Pieper, Evelyn J. Schneider, Mrs. Francis P. Shannon, Mabel Slack, Roderic W. Sommers, Anne L. Stamm, Frederick W. Stamm, Mrs. W. B. Tabler, Mrs. E. V. Thompson (Beckham Bird Club).

293. Otter Creek Park, Ky. (all points within a 15-mile diameter circle, center same as in previous years; deciduous woods 35%, brushy fields 42%, creek and river bank 10%, open fields 13%).—Dec. 28; 7 a.m. to 4 p.m. Clear; temp. 30° to 56°; wind N to NE, 8-10 m.p.h.; ground bare, ponds frozen, Otter Creek partly frozen. Seven observers in 3 parties. Total party-hours, 21 (16 on foot, 5 by car); total party-miles, 49 (12 on foot, 37 by car). ► Mallard, 30; Sharp-shinned Hawk, 1; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Sparrow Hawk, 3; Bobwhite, 13; Mourning Dove, 17; Great Horned Owl, 1; Yellow-shafted Flicker, 4; Pileated Woodpecker, 6; Red-bellied Woodpecker, 14; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 3; Downy Woodpecker, 13; Horned Lark, 15; Blue Jay, 38; Common Crow, 92; Carolina Chickadee, 58; Tufted Titmouse, 38; White-breasted Nuthatch, 7; Brown Creeper, 2; Carolina Wren, 12; Mockingbird, 18; Robin, 31; Hermit Thrush, 3; Eastern Bluebird, 15; Golden-crowned Kinglet, 3; Cedar Waxwing, 2; Starling, 879; Myrtle Warbler, 26; House Sparrow, 87; **Eastern Meadowlark, 19**; Cardinal, 76; Purple Finch, 11; Am. Goldfinch, 42; Rufous-sided Towhee, 4; Slate-colored Junco, 212; Tree Sparrow, 6; Field Sparrow, 10; White-throated Sparrow, 3; Swamp Sparrow, 9; Song Sparrow, 32. **Total,** 42 species; about 1862 individuals.—Joseph Croft, Floyd Carpenter, John Lovell, Harvey B. Lovell, Evelyn Schneider, Anne L. Stamm (compiler), Frederick W. Stamm.

294. Big Bald Mountain, Tenn.–N. C. (all points within a 15-mile diameter circle; Unicoi and Yancey Counties from east fork of Higgins Creek at 3400 ft. to summit of Big Bald at 5516 ft. and woodland borders at 5300 to 4900 ft.; deciduous woodland 70%, grassy treeless area 30%).—Dec. 24; 7:45 a.m. to 5:30 p.m. Heavy clouds up to 3900 ft., dense fog, visibility 125-400 ft.; temp. 38° to 20°; wind NW, 8-20 m.p.h.; trees and grass covered with frost. One observer. Total hours, 9¾; total miles, 8 (all on foot). ► Ruffed Grouse, 1; Downy Woodpecker, 1; Carolina Chickadee, 6; Tufted Titmouse, 10; White-breasted Nuthatch, 3; Carolina Wren, 1; Cardinal, 2; Slate-colored Junco, 12; White-throated Sparrow, 1. **Total,** 9 species; about 37 individuals.—Fred W. Behrend.

295. Chattanooga, Tenn. (all points within a 15-mile diameter circle, center Bachman Tunnel in the city).—Dec. 28; 8 a.m. to 4 p.m. Rainy a.m., clearing p.m.; temp. 40° to 45°; wind 0-5 m.p.h. Nine observers in 4 parties. Total party-hours, 22 (15 on foot, 7 by car); total party-miles, 79 (8 on foot, 71 by car). ► Horned Grebe, 9; Pied-billed Grebe, 3; Great Blue Heron, 2; Canada Goose, 1+ (heard); Mallard, 50; Black Duck, 122; Gadwall, 4; Pintail, 4; Am. Widgeon, 16; Shoveler, 1; Ring-necked Duck, 20; Lesser Scaup, 3; Common Goldeneye, 12; Ruddy Duck, 1; Hooded Merganser, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 2; Sparrow Hawk, 5; Bobwhite, 22; Killdeer, 10; Common Snipe, 3; Herring Gull, 7; Ring-billed Gull, 89; Mourning Dove, 75; Belted Kingfisher, 4; Yellow-shafted Flicker, 12; Pileated Woodpecker, 2; Red-bellied Woodpecker, 7; Red-headed Woodpecker, 8; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 8; Horned Lark, 4; Blue Jay, 55; Common Crow, 55; Carolina Chickadee, 23; Tufted Titmouse, 33; White-breasted Nuthatch, 15; Brown Creeper, 1; Carolina Wren, 16; Mockingbird, 34; Brown Thrasher, 3; Robin, 13; Hermit Thrush, 1; Eastern Bluebird, 12; Golden-crowned Kinglet, 2; Cedar Waxwing, 64; Loggerhead Shrike, 6; Starling, 822; Myrtle Warbler, 26; House

Sparrow, 60; Eastern Meadowlark, 119; Redwinged Blackbird, 225; Rusty Blackbird, 65; Brown-headed Cowbird, 38; Cardinal, 55; Purple Finch, 2; Am. Goldfinch, 14; Rufous-sided Towhee, 29; Savannah Sparrow, 1; Vesper Sparrow, 1; Slate-colored Junco, 113; Chipping Sparrow, 1; Field Sparrow, 18; White-throated Sparrow, 63; Fox Sparrow, 1; Swamp Sparrow, 1; Song Sparrow, 19. **Total,** 68 species; about 2516 individuals. (Seen in area count period, but not on count day: Marsh Hawk, Am. Coot, Red-breasted Merganser, Eastern Phoebe, Hairy Woodpecker, Ruby-crowned Kinglet.)—Leo Acuff, Mr. and Mrs. R. L. Comstock, Jr., Mrs. Leon F. Cross, Mrs. Hugh Crownover, Mrs. H. L. Sliger, Mrs. D. L. Tunsberg, E. M. West, Mrs. E. M. West (compiler).

296. Cookeville, Tenn. (8-mile square bounded by Cookeville, Quinland Lake, Rickman, Brotherton, Cookeville Reservoir watershed, U. S. Highway 70N; elevation 1000-1800 ft.; open fields and fencerows 70%, mixed deciduous and coniferous woods 28%, village streets 1%, streams and ponds 1%).—Dec. 29; 7:20 a.m. to 5 p.m. Clear; temp. 34° to 50°; wind NW, 0-5 m.p.h. Eleven observers in 8 parties. Total party-hours, 49 (25 on foot, 24 by car); total party-miles, 147 (12 on foot, 135 by car). ► Mallard, 20; Black Duck, 9; Ring-necked Duck, 190; Canvasback, 20; Black Vulture, 1; Cooper's Hawk, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 2; Sparrow Hawk, 4; Bobwhite, 2; Killdeer, 9; Mourning Dove, 42; Screech Owl, 1; Yellow-shafted Flicker, 8; Pileated Woodpecker, 10; Red-bellied Woodpecker, 10; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 4; Downy Woodpecker, 5; Horned Lark, 7; Blue Jay, 45; Common Crow, 133; Carolina Chickadee, 41; Tufted Titmouse, 67; White-breasted Nuthatch, 4; Bewick's Wren, 1; Carolina Wren, 19; Mockingbird, 24; Brown Thrasher, 2; Robin, 3; Eastern Bluebird, 43; Cedar Waxwing, 6; Loggerhead Shrike, 4; Starling, 269; Myrtle Warbler, 2; House Sparrow, 26; Eastern Meadowlark, 92; Redwinged Blackbird, 9; Rusty Blackbird, 30; Cardinal, 81; Am. Goldfinch, 121; Rufous-sided Towhee, 29; Slate-colored Junco, 91; Field Sparrow, 78; White-crowned Sparrow, 3; White-throated Sparrow, 17; Fox Sparrow, 14; Song Sparrow, 14. **Total,** 48 species; about 1618 individuals.—Mr. and Mrs. Ralph L. Dunckel, Miser Richmond (compiler) (Upper Cumberland Bird Club).

297. Elizabethton, Tenn. (all points within a 15-mile diameter circle, center Valley Forge; lake border 5%, stream borders 60%, woodlands 20%, open fields 15%).—Dec. 20; 7 a.m. to 5:30 p.m.; temp. 45° to 40°; wind 0-20 m.p.h. Five observers in 5 parties. Total party-hours, 25 (18 on foot, 7 by car); total party-miles, 88 (17 on foot, 71 by car). ► Pied-billed Grebe, 2; Ring-necked Duck, 5; Lesser Scaup, 4; Common Goldeneye, 1; Bufflehead, 7; Cooper's Hawk, 1; Sparrow Hawk, 8; Bobwhite, 7; Killdeer, 5; Mourning Dove, 25; Screech Owl, 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 10; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 9; Blue Jay, 16; Common Crow, 302; Carolina Chickadee, 8; Tufted Titmouse, 18; Carolina Wren, 18; Mockingbird, 16; Robin, 9; Eastern Bluebird, 4; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 2; Cedar Waxwing, 34; Loggerhead Shrike, 5; Starling, 225; Myrtle Warbler, 9; House Sparrow, 259; Eastern Meadowlark, 35; Common Grackle, 2; Cardinal, 55; Am. Goldfinch, 34; Rufous-sided Towhee, 6; Savannah Sparrow, 2; Slate-colored Junco, 37; Field Sparrow, 49; White-crowned Sparrow, 18; White-throated Sparrow, 28; Fox Sparrow, 1; Song Sparrow, 40. **Total,** 43 species; about 1327 individuals.—J. C. Browning, Ed Davidson, Ray Garrison, Lee R. Herndon (compiler), Roby D. May, Jr. (Elizabethton Chapter, T. O. S.).

298. Great Smoky Mountains National Park, Tenn.–N. C. (all points within a 15-mile diameter circle, center same as in 1957; open farmland 15%, old fields 25%, forests 30%, reservoirs and stream courses 30%).—Dec. 21; 7:30 a.m. to 5 p.m. Clear to partly cloudy; temp. 12° to 47°; wind variable, under 10 m.p.h.; ground bare in lowlands, up to 2-in. snow in mountains. Twenty-one observers in 8 parties. Total party-hours, 58 (45 on foot, 13 by car); total party-miles, 166 (40 on foot, 126 by car). ► Pied-billed Grebe, 10; Great Blue Heron, 2; Mallard, 50; Black Duck, 2; Pintail, 4; Green-winged Teal, 1; Redhead, 3; Ring-necked Duck, 40; Lesser Scaup, 4; Bufflehead, 2; Ruddy Duck, 8; Hooded Merganser, 2; Turkey Vulture, 3; Sharp-shinned Hawk, 1; Red-tailed Hawk, 4; Red-shouldered Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 2; Ruffed Grouse, 20; Turkey, 5; Am. Coot, 141; Killdeer, 28; Mourning Dove, 27; Belted Kingfisher, 5; Yellow-shafted Flicker, 7; Pileated Woodpecker, 35; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 2; Downy Woodpecker, 32; Eastern Phoebe, 14; Blue Jay, 8; Common Crow, 137; Black-capped and Carolina Chickadee, 176; Tufted Titmouse, 68; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 7; Brown Creeper, 7; Winter Wren, 8; Carolina Wren, 25; Mockingbird, 1; Robin, 15; Hermit Thrush, 3; Eastern Bluebird, 38; Golden-crowned Kinglet, 116; Ruby-crowned Kinglet, 4; Cedar Waxwing, 25; Starling, 131; Myrtle Warbler, 4; Pine Warbler, 3; House Sparrow, 30; Eastern Meadowlark, 72; Redwinged Blackbird, 4; Cardinal, 98; Purple Finch, 1; Am. Goldfinch, 46; Rufous-sided Towhee, 16; Savannah Sparrow, 3; Slate-colored Junco, 193; Field Sparrow, 114; White-throated Sparrow, 167; Fox Sparrow, 5; Swamp Sparrow, 22; Song Sparrow, 113. **Total,** 64 species; about 2121 individuals.—John Elson, Mary Enloe, Mr. and Mrs. Harold C. Garlinghouse, Quincey A. Gorman, David Highbaugh, Elsie S. Janson, Tony Koella, Dorothy J. MacLean, William T. Martin, Jr., J. T. Mengel, Mr. and Mrs. Robert A. Monroe, Mrs. E. E. Overton, Richard W. Russell, Mrs. Prince Sluder, Arthur Stupka (compiler), Mrs. Thomas C. Swindell, James T. Tanner, Dr. and Mrs. Samuel R. Tipton (T. O. S., National Park Service, and guests).

299. Kingsport, Tenn. (all points within a 15-mile diameter circle, center on Pactolus, including Bays Mt.; woodlands 60%, open fields 20%, lake and stream borders 15%, residential 5%).—Dec. 26; 7:20

a.m. to 5:45 p.m. Clear; temp. 16° to 45°; wind E, 5-10 m.p.h.; small ponds frozen, large bodies of water open. Eleven observers in 6 parties. Total party-hours, 34 (27 on foot, 7 by car); total party-miles, 79 (24 on foot, 55 by car). ► Red-throated Loon, 2 [no details—ED.]; Horned Grebe, 1; Pied-billed Grebe, 4; Great Blue Heron, 3; Mallard, 8; Canvasback, 10; Common Goldeneye, 18; Bufflehead, 12; Turkey Vulture, 3; Black Vulture, 4; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Sparrow Hawk, 4; Ruffed Grouse, 1; Bobwhite, 2; Killdeer, 1; Herring Gull, 23; Ring-billed Gull, 26; Mourning Dove, 134; Belted Kingfisher, 2; Yellow-shafted Flicker, 5; Pileated Woodpecker, 5; Red-bellied Woodpecker, 3; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 7; Downy Woodpecker, 13; Horned Lark, 25; Blue Jay, 48; Common Crow, 10,000; Carolina Chickadee, 55; Tufted Titmouse, 33; White-breasted Nuthatch, 8; Red-breasted Nuthatch, 2; Brown Creeper, 5; Winter Wren, 1; Carolina Wren, 17; Mockingbird, 24; Robin, 3; Golden-crowned Kinglet, 7; Cedar Waxwing, 44; Loggerhead Shrike, 1; Starling, 5000; Myrtle Warbler, 33; House Sparrow, 107; Eastern Meadowlark, 16; Common Grackle, 3000; Cardinal, 70; Purple Finch, 9; Am. Goldfinch, 70; Rufous-sided Towhee, 41; Savannah Sparrow, 2; Slate-colored Junco, 116; Field Sparrow, 17; White-crowned Sparrow, 4; White-throated Sparrow, 64; Song Sparrow, 18. **Total,** 57 species; about 19,136 individuals. (Seen in area count period, but not on count day: Common Loon, Red-shouldered Hawk, Eastern Phoebe, Brown Thrasher.)—Mrs. M. J. Adams, Mr. and Mrs. Thomas Finucane, James Finucane, Tommy Finucane, W. E. Gift, Mr. and Mrs. William B. Hincke, George Rodgers, Ann H. Switzer (compiler), Howard Young.

300. Memphis, Tenn. (all points within a 15-mile diameter circle, center Highland Heights, about same as in 1953; wooded bottomlands 23%, deciduous woods, city parks, cemeteries 22%, pastures, airfields, farms 22%, suburban roadsides 30%, river edge 3%).—Dec. 21; 7 a.m. to 5 p.m. Clear; temp. 23° to 50°; wind NW, 0-5 m.p.h. Twenty-six observers in 7 parties. Total party-hours, 82 (60 on foot, 22 by car); total party-miles, 200 (50 on foot, 150 by car). ► Pied-billed Grebe, 1; Great Blue Heron, 1; Mallard, 17; Redhead, 2; Ring-necked Duck, 2; Lesser Scaup, 9; Turkey Vulture, 113; Black Vulture, 15; Red-tailed Hawk, 21; Red-shouldered Hawk, 3; Marsh Hawk, 3; Sparrow Hawk, 22; Bobwhite, 183; Killdeer, 40; Common Snipe, 26; Ring-billed Gull, 33; Mourning Dove, 208; Screech Owl, 1; Great Horned Owl, 1; Barred Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 114; Pileated Woodpecker, 4; Red-bellied Woodpecker, 68; Red-headed Woodpecker, 18; Yellow-bellied Sapsucker, 14; Hairy Woodpecker, 18; Downy Woodpecker, 56; Horned Lark, 135; Blue Jay, **479**; Common Crow, 75; Fish Crow, 38; Carolina Chickadee, 141; Tufted Titmouse, 74; White-breasted Nuthatch, 2; Brown Creeper, 2; House Wren, 2 (B. C., L. C.); Winter Wren, 18; Bewick's Wren, 1; Carolina Wren, 59; Mockingbird, 190; Brown Thrasher, 26; Robin, 5141; Hermit Thrush, 1; Eastern Bluebird, 3; Golden-crowned Kinglet, 35; Ruby-crowned Kinglet, 26; Water Pipit, 3; Cedar Waxwing, 75; Loggerhead Shrike, 39; Starling, 255,000; Myrtle Warbler, 26; House Sparrow, 280; Eastern Meadowlark, 472; Western Meadowlark, 6; Redwinged Blackbird, 200,000; Rusty Blackbird, 17; Brewer's Blackbird, 2; Common Grackle, 351,000; Brown-headed Cowbird, 200,000; Cardinal, 633; Purple Finch, 20; Am. Goldfinch, 127; Rufous-sided Towhee, 74; Savannah Sparrow, 74; Le Conte's Sparrow, 1 (B. C.); Slate-colored Junco, 503; Field Sparrow, 191; White-crowned Sparrow, 40; White-throated Sparrow, 1322; Fox Sparrow, **147**; Swamp Sparrow, 162; Song Sparrow, 277; Lapland Longspur, 15; Smith's Longspur, **23** (B. C., G. P.). **Total,** 75 species; about 1,017,972 individuals.—Mrs. F. L. Basler, Oliver Cathey, Jr., Mrs. Ben B. Coffey, Jr., Ben B. Coffey, Jr. (compiler), Mary Davant, Mrs. Henry Dinkelspiel, Oliver F. Irwin, Mrs. Burt P. Johnson, Luther F. Keeton, Edward M. King, C. P. McPherson, Jr., Mrs. J. H. McWhorter, Nelle Moore, Katheryn Paullus, George Peyton, Jr., S. Jack Rini, Mrs. Henry A. Schiller, Alice Smith, Mrs. Arlo I. Smith, Lynn Smith, Gerald Smith, R. Demett Smith, Jr., Mrs. M. L. Torti, W. L. Whittemore, Mr. and Mrs. C. E. Wilmeth (Memphis Chapter, T. O. S.).

301. Nashville, Tenn. (all points within a 15-mile diameter circle, center same as in past 8 years).—Dec. 27; 6:30 a.m. to 4 p.m. Drizzling most of day; temp. 35° to 40°; wind N to W, 10 m.p.h.; ground bare and thawing. Twenty-five observers in 9 parties. Total party-hours, 65 (27 on foot, 38 by car); total party-miles, 155 (35 on foot, 130 by car). ► Horned Grebe, 3; Pied-billed Grebe, 4; Great Blue Heron, 5; Black-crowned Night Heron, 17; Canada Goose, 55; Mallard, 111; Black Duck, 27; Pintail, 6; Shoveler, 3; Redhead, 3; Ring-necked Duck, 39; Canvasback, 47; Lesser Scaup, 72; Common Goldeneye, 1; Ruddy Duck, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 17; Red-shouldered Hawk, 5; Marsh Hawk, 2; Sparrow Hawk, 27; Bobwhite, 30; Am. Coot, 103; Killdeer, 94; Common Snipe, 2; Herring Gull, 26; Ring-billed Gull, 250; Mourning Dove, 165; Screech Owl, 1; Great Horned Owl, 3; Belted Kingfisher, 16; Yellow-shafted Flicker, 53; Pileated Woodpecker, 8; Red-bellied Woodpecker, 25; Yellow-bellied Sapsucker, 11; Hairy Woodpecker, 7; Downy Woodpecker, 50; Eastern Phoebe, 4; Horned Lark, 54; Blue Jay, 51; Common Crow, 200; Carolina Chickadee, 160; Tufted Titmouse, 96; White-breasted Nuthatch, 3; Brown Creeper, 4; Winter Wren, 1; Bewick's Wren, 4; Carolina Wren, 31; Mockingbird, 126; Brown Thrasher, 4; Robin, 5000 (roost); Hermit Thrush, 4; Eastern Bluebird, 53; Golden-crowned Kinglet, 7; Ruby-crowned Kinglet, 8; Water Pipit, 3; Cedar Waxwing, 106; Loggerhead Shrike, 9; Starling, 200,000 (roost); Myrtle Warbler, 107; House Sparrow, 210; Eastern Meadowlark, 162; Redwinged Blackbird, 16; Common Grackle, 4; Brown-headed Cowbird, 3; Cardinal, 390; Purple Finch, 5; Pine Siskin, 1; Am. Goldfinch, 112; Rufous-sided Towhee, 72; Slate-colored Junco, 390; Field Sparrow, 124; White-crowned Sparrow, 56; White-

throated Sparrow, 173; Fox Sparrow, 22; Swamp Sparrow, 15; Song Sparrow, 100. **Total,** 77 species; about 209,181 individuals.—B. H. Abernathy, Mr. and Mrs. Joe Bailey, Mrs. W. M. Bell, Mrs. W. Ovid Collins, Mrs. C. Cornelius, Mrs. Leon DeBrohun, Mrs. Milbrey Dugger, Fairman Cumming, C. Farrell, Louis Farrell, Louis Farrell, Jr., Mary W. Frazer, H. L. Fry, Albert F. Ganier (compiler), Edward Gleaves, Mrs. C. E. Goodlet, Phil Harris, J. P. Jones, G. R. Mayfield, John Ogden, Henry Parmer, Jennie Riggs, Michael Tine, Ruth White (Nashville Chapter, T. O. S.).

302. Reelfoot Lake, Tenn. (all points within a 15-mile diameter circle, center Samburg on southeast shore of Reelfoot Lake; lake 20%, marsh 5%, deciduous woods 45%, field and farm 18%, roadside 12%).—Dec. 30; 7 a.m. to 5 p.m. Overcast; temp. 37° to 53°; wind N to NE, 5-30 m.p.h. Eight observers in 4 parties. Total party-hours, 40 (25 on foot, 7 by car, 8 by boat); total party-miles, 106 (24 on foot, 60 by car, 22 by boat). ► **Eared Grebe, 1**; Pied-billed Grebe, 2; Great Blue Heron, 27; Canada Goose, 22,300; Mallard, 53,000; Black Duck, 35; Gadwall, 2; Pintail, 48; Green-winged Teal, 25; Am. Widgeon, 18; Shoveler, 4; Ring-necked Duck, 25,000; Canvasback, 1; Lesser Scaup, 3; Common Goldeneye, 40; Hooded Merganser, 120; Turkey Vulture, 1; Black Vulture, 16; Cooper's Hawk, 1; Red-tailed Hawk, 9; Red-shouldered Hawk, 1; Broad-winged Hawk, 1 [no details—Ed.]; Rough-legged Hawk, 1; Bald Eagle, 20; Marsh Hawk, 3; Sparrow Hawk, 6; Am. Coot, 23; Killdeer, 7; Common Snipe, 1; Ring-billed Gull, 82; Mourning Dove, 5; Long-eared Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 2; Pileated Woodpecker, 7; Red-bellied Woodpecker, 36; Red-headed Woodpecker, 1; Hairy Woodpecker, 9; Downy Woodpecker, 10; Eastern Phoebe, 1; Blue Jay, 27; Common Crow, 300; Carolina Chickadee, 30; Tufted Titmouse, 31; White-breasted Nuthatch, 8; Winter Wren, 1; Carolina Wren, 19; Mockingbird, 10; Brown Thrasher, 1; Robin, 2; Hermit Thrush, 1; Eastern Bluebird, 6; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 17; Loggerhead Shrike, 4; Starling, 200,000; House Sparrow, 250; Eastern Meadowlark, 5; Redwinged Blackbird, 5,000,000; Brewer's Blackbird, 8; Common Grackle, 48,000; Cardinal, 89; Purple Finch, 40; Rufous-sided Towhee, 3; Slate-colored Junco, 45; Tree Sparrow, 2; Field Sparrow, 4; White-throated Sparrow, 70; Fox Sparrow, 40; Song Sparrow, 12. **Total,** 70 species; about 5,349,899 individuals. (Seen in area count period, but not on count day: Bufflehead, Barred Owl.)—John R. Conder (compiler), Hunter M. Hancock, L. D. Thompson.

303. Roan Mountain, Tenn.–N. C. (all points within a 15-mile diameter circle in Carter Co., Tenn., Mitchell and Avery Cos., N. C.; from Carver's Gap at 5512 ft. east to Grassy Ridge Bald at 6189 ft., return to Carver's Gap, from Carver's Gap west to Roan High Bluff at 6250 ft. by way of Balsam Road and Rhododendron Gardens, return via new road; balsam and spruce mixed with rhododendron, alder and briers 60%, grassy area partly overgrown with alder and rhododendron 40%).—Dec. 21; 8 a.m. to 5:45 p.m. Clear, good visibility; temp. 18° to 32°; wind NW, 15-20 m.p.h.; ground bare on balds, up to 3-in. snow in woods. One observer. Total hours, 9¾; total miles, 9 (all on foot). ► Ruffed Grouse, 9; Common Raven, 1; Common Crow, 1; Red-breasted Nuthatch, 5; Slate-colored Junco, 12. **Total,** 5 species; 28 individuals.—Fred W. Behrend.

304. Birmingham, Ala. (all points within a 15-mile diameter circle, center in New Merkel as in past 23 years, including areas between East Lake, Oak Mountain, Elmwood Cemetery, Lake Purdy; residential 20%, woodland borders 18%, short grass pastures, airports, golf courses 18%, oak-pine woods 16%, lakes and ponds 13%, hardwoods 9%, tall grass 6%).—Dec. 20; 6:30 a.m. to 5 p.m. Partly cloudy; temp. 40° to 50°; wind NW, 0-12 m.p.h.; year deficient 5/17° in temp. and 11.39 inches in precipitation. Eighteen observers in 6 parties. Total party-hours, 56 (43 on foot, 13 by car); total party-miles, 216 (43 on foot, 173 by car). ► Common Loon, 4; Horned Grebe, 3; Pied-billed Grebe, 134; Great Blue Heron, 1; Mallard, 12; Black Duck, 6; Am. Widgeon, 1; **Wood Duck, 2** (F. D., D. H.); Redhead, 6; Ring-necked Duck, 135; Canvasback, **78**; Lesser Scaup, 27; duck (sp.), 200; Turkey Vulture, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 4; Red-shouldered Hawk, 7; Sparrow Hawk, 3; Bobwhite, 35; Turkey, 1; Am. Coot, 675; Killdeer, **341**; Common Snipe, **94**; Ring-billed Gull, 1; Mourning Dove, 174; Screech Owl, 1; Belted Kingfisher, 11; Yellow-shafted Flicker, 71; Pileated Woodpecker, 11; Red-bellied Woodpecker, 23; Red-headed Woodpecker, 17; Yellow-bellied Sapsucker, 16; Hairy Woodpecker, 7; Downy Woodpecker, 26; Red-cockaded Woodpecker, 7; Eastern Phoebe, **1** (lowest ever); Blue Jay, 135; Common Crow, 146; Carolina Chickadee, 122; Tufted Titmouse, 99; White-breasted Nuthatch, 19; Red-breasted Nuthatch, 3 (6 years in row); Brown-headed Nuthatch, 21; Brown Creeper, 1; Winter Wren, 9; Bewick's Wren, 1; Carolina Wren, 86; Mockingbird, 107; Brown Thrasher, **47**; Robin, 75; Hermit Thrush, 8; Eastern Bluebird, 94; Golden-crowned Kinglet, **10** (lowest ever); Ruby-crowned Kinglet, 41; Water Pipit, 77; Cedar Waxwing, **574**; Loggerhead Shrike, 20; Starling, 1784; Myrtle Warbler, 80; Pine Warbler, 58; Yellowthroat, 4; House Sparrow, 212; Eastern Meadowlark, 398; Redwinged Blackbird, 1012; Rusty Blackbird, 445; Common Grackle, 251; Brown-headed Cowbird, 570; Cardinal, 345; Purple Finch, **248**; Pine Siskin, 1; Am. Goldfinch, 231; Rufous-sided Towhee, 261; Savannah Sparrow, 72; Slate-colored Junco, 529; Chipping Sparrow, 89; Field Sparrow, 248; White-throated Sparrow, 613; Fox Sparrow, **41**; Swamp Sparrow, 25; Song Sparrow, 204. **Total,** 80 species; about 11,556 individuals. (Seen in area count period, but not on count day: Great Horned Owl.)—Ruth Brunson, Frederick T. Carney, Blanche H. Chapman, Ruth Copeland, F. Bozeman Daniel, Mildred Ferris, Emmie Lou Grimley, Dan C. Holliman, Thomas A. Imhof (compiler), Amy Mason, James H. Mason, James H. Mason, Jr.,

Rachel L. Merrill, Morton H. Perry, Robert Perry, Dorothy Roberts, Idalene F. Snead, Mrs. D. O. Wright (Birmingham Audubon Society).

305. **Dauphin Island, Ala.** (all points within a 15-mile diameter circle, center on southern tip of Mon Luis Isle and including Cedar Point, Coden, Bayou La Batre, Bellingrath Gardens, all but westernmost 4 miles of Dauphin Island; pine-hardwoods 33%, pine woods 20%, salt water, 15%, mud, sand, and shell flats 12%, salt marsh 10%, residential areas 5%, farms 3%, fresh marsh 2%).—Dec. 27; 7 a.m. to 6 p.m. Drizzly and foggy; temp. 40° to 50°; wind NE, 0-20 m.p.h.; heavy rain previous night. Eleven observers in 4 parties. Total party-hours, 39 (28 on foot, 8 by car, 3 by boat); total party-miles, 185 (30 on foot, 125 by car, 30 by boat). ► Common Loon, 34; Horned Grebe, 62; Pied-billed Grebe, 15; White Pelican, 2; Brown Pelican, 14; Double-crested Cormorant, **1100**; Great Blue Heron, 24; Little Blue Heron, **14**; **Reddish Egret, 2** (present all fall); Snowy Egret, 2; Louisiana Heron, **19**; Black-crowned Night Heron, 1; Blue Goose, 21; Black Duck, 3; Gadwall, 1; Pintail, 1; Ring-necked Duck, 125; Greater Scaup, 45; Lesser Scaup, 241; Common Goldeneye, **274**; Bufflehead, 1; Oldsquaw, 1; **Common Scoter, 1** (T. I., R. S.); **Common Merganser, 8** (2 males—B. C., B. D.); Red-breasted Merganser, 55; duck (sp.), 1000; Turkey Vulture, 3; Black Vulture, 63; Red-tailed Hawk, 1 (*kriderii*—R. S., T. I.); Red-shouldered Hawk, 4; Marsh Hawk, 3; **Osprey, 1** (B. C., B. D.); Sparrow Hawk, 17; Bobwhite, 10; Clapper Rail, 44; Virginia Rail, 4; Sora, 12; Am. Oystercatcher, 1; Semipalmated Plover, 45; Piping Plover, **75+**; Killdeer, 12; Black-bellied Plover, 68; Ruddy Turnstone, 52; Common Snipe, 1; Willet, 10; Greater Yellowlegs, 19; **Knot, 1** (T. I.); Dunlin, 375; Short-billed Dowitcher, 85; Semipalmated Sandpiper, 20; Western Sandpiper, 150; Sanderling, 20; Herring Gull, 500; Ring-billed Gull, 330; Laughing Gull, 157; Forster's Tern, 73; Royal Tern, 155; Caspian Tern, **212**; Mourning Dove, 27; Ground Dove, 1; Barn Owl, 2; **Chuck-will's-widow, 1** (carefully identified T. I.); Belted Kingfisher, 44; Yellow-shafted Flicker, 10; Red-bellied Woodpecker, 33; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 11; Downy Woodpecker, 3; Eastern Phoebe, **4** (very low); Tree Swallow, 1320; **Rough-winged Swallow, 20** (I. S., *et al.*); Blue Jay, 244; Common Crow, 307; Fish Crow, 75; Carolina Chickadee, 20; Tufted Titmouse, 24; White-breasted Nuthatch, 2; Brown-headed Nuthatch, 24; Brown Creeper, 3; House Wren, **3** (very low); Winter Wren, 1; Bewick's Wren, 2; Carolina Wren, 26; Long-billed Marsh Wren, 28; Short-billed Marsh Wren, **43**; Mockingbird, 56; Brown Thrasher, 11; Robin, 390; Hermit Thrush, 3; Eastern Bluebird, 98; Golden-crowned Kinglet, 4; Ruby-crowned Kinglet, 18; Water Pipit, 1; Cedar Waxwing, 39; Loggerhead Shrike, 32; Starling, 55; Solitary Vireo, **5**; Black-and-white Warbler, 2; Orange-crowned Warbler, 17; **Parula Warbler, 2** (first winter record T. I.); Myrtle Warbler, 339; Pine Warbler, **86**; Palm Warbler, 4; Yellowthroat, 8; House Sparrow, 60; Eastern Meadowlark, 272; Redwinged Blackbird, 650; Rusty Blackbird, 25; Common Grackle, 200; Brown-headed Cowbird, 20; Cardinal, 32; Am. Goldfinch, 106; Rufous-sided Towhee, 105; Savannah Sparrow, 3; Sharp-tailed Sparrow, **34**; Seaside Sparrow, **33**; Chipping Sparrow, 8; Field Sparrow, 4; White-throated Sparrow, 72; Swamp Sparrow, 69; Song Sparrow, 13. **Total,** 120 species; about 10,744 individuals. (Seen in area count period, but not on count day: third Reddish Egret, Snowy Plover.)—Fairly Chandler, Blanche H. Chapman, Blanche E. Dean, M. Wilson Gaillard, Emmie Lou Grimley, Dan C. Holliman, Thomas A. Imhof (compiler), Clustie McTyeire, Robert W. Skinner, Idalene F. Snead, Thomas S. Snead (Alabama Ornithological Society).

306. **Mobile, Ala.** (all points within a 15-mile diameter circle, center Providence St. and Old Shell Road, including Causeway, bordered by ponds, rivers, beaches, marshlands, Mobile Bay, also Mobile and suburbs, Spring Hill College Campus, Overlook Nursery fields, Municipal Park; river, bay, ponds 25%, marshlands and beaches 25%, upland deciduous and evergreen woods 25%, weedy pastures and roadsides 15%, cultivated fields, nursery fields, golf courses 10%).—Dec. 28; 8 a.m. to 5 p.m. Clear to cloudy; temp. 44° to 57°; wind NE, 10-16 m.p.h. One observer. Total hours, 8½ (4 on foot, 4½ by car); total miles, 40 (6 on foot, 34 by car). ► Common Loon, 2; Horned Grebe, 3; Pied-billed Grebe, 4; White Pelican, 1; Double-crested Cormorant, 6; Great Blue Heron, 4; Little Blue Heron, 1; Common Egret, 7; Snowy Egret, 8; **Snow Goose, 2** (2 shot preceding day); Mallard, 4; Black Duck, 3; Gadwall, 250; Pintail, 11; Green-winged Teal, 15; Blue-winged Teal, 3; Am. Widgeon, 8; Redhead, 5; Canvasback, 12; Lesser Scaup, 1500; Bufflehead, 2; Ruddy Duck, 5; Hooded Merganser, 1; Red-breasted Merganser, 4; Black Vulture, 2; Red-tailed Hawk, 1; Red-shouldered Hawk, 2; Marsh Hawk, 2; Pigeon Hawk, 1; Sparrow Hawk, 4; Bobwhite, 5; Clapper Rail, 2; Sora, 3; Common Gallinule, 4; Am. Coot, 1600; Semipalmated Plover, 30; Piping Plover, 1; Killdeer, 15; Black-bellied Plover, 10; Am. Woodcock, 1; Common Snipe, 8; Greater Yellowlegs, 1; Least Sandpiper, 15; Dunlin, 6; Short-billed Dowitcher, 2; Semipalmated Sandpiper, 3; Western Sandpiper, 2; Sanderling, 5; Herring Gull, 50; Ring-billed Gull, 150; Laughing Gull, 75; Bonaparte's Gull, 2; Forster's Tern, 175; Royal Tern, 2; Caspian Tern, 6; Mourning Dove, **300**; Ground Dove, **30**; Screech Owl, 2; Barred Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 8; Red-bellied Woodpecker, 10; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 6; Downy Woodpecker, 4; Eastern Phoebe, 2; Tree Swallow, 25; **Rough-winged Swallow, 1**; Blue Jay, 90; Common Crow, 5; Fish Crow, 8; Carolina Chickadee, 3; Tufted Titmouse, 8; House Wren, 1; Bewick's Wren, 1; Carolina Wren, 10; Long-billed Marsh Wren, 3; Short-billed Marsh Wren, 1; Mockingbird, 28; Catbird, 1; Brown Thrasher, 15; Robin, 95; Hermit Thrush, 1; Eastern Bluebird, 3; Blue-gray Gnatcatcher, 2; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 25; Water Pipit, 12; Cedar Waxwing, 10; Loggerhead Shrike, 6; Starling, 2000; White-eyed

Vireo, 2; Solitary Vireo, 3; Orange-crowned Warbler, 15; Myrtle Warbler, 5 (very low); Pine Warbler, 52; Palm Warbler, 5; Yellowthroat, 3; House Sparrow, 15; Eastern Meadowlark, 5; Redwinged Blackbird, 300; Rusty Blackbird, 15; Brewer's Blackbird, 170; Boat-tailed Grackle, 25; Common Grackle, 100; Brown-headed Cowbird, 85; Cardinal, 7; Purple Finch, 126; Am. Goldfinch, 3; Rufous-sided Towhee, 4; Savannah Sparrow, 78; Sharp-tailed Sparrow, 3; Seaside Sparrow, 2; Vesper Sparrow, 17; Bachman's Sparrow, 2; Slate-colored Junco, 6; Chipping Sparrow, 14; Field Sparrow, 9; White-throated Sparrow, 26; Swamp Sparrow, 3; Song Sparrow, 2. **Total,** 121 species; about 7869 individuals. (Seen in area count period, but not on count day: Brown Pelican, Canada Goose, Ring-necked Duck, Turkey Vulture, Cooper's Hawk, Ruddy Turnstone.)—Rev. J. L. Dorn (compiler).

307. Tanglewood, Ala. (all points within a 15-mile diameter circle, center Tanglewood, the University of Alabama Biological Station at Akron, and including Moundville State Park).—Jan. 1; 6 a.m. to 6 p.m. Light rain all day; temp. 40° to 58°; wind SW, 5 m.p.h. One observer. Total hours, 12; total miles, 39 (9 on foot, 30 by car). ► Mallard, 2; Wood Duck, 2; Ring-necked Duck, 3; Greater Scaup, 4; Turkey Vulture, 2; Black Vulture, 2; Red-tailed Hawk, 2; Red-shouldered Hawk, 2; Sparrow Hawk, 3; Bobwhite, 6; Am. Coot, 8; Killdeer, 104; Mourning Dove, 51; Great Horned Owl, 1; Barred Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 11; Pileated Woodpecker, 1; Red-bellied Woodpecker, 3; Hairy Woodpecker, 1; Downy Woodpecker, 5; Blue Jay, 23; Common Crow, 43; Carolina Chickadee, 4; Tufted Titmouse, 3; Brown Creeper, 1; Winter Wren, 1; Bewick's Wren, 2; Carolina Wren, 8; Mockingbird, 5; Brown Thrasher, 3; Robin, 6; Hermit Thrush, 2; Eastern Bluebird, 10; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 1; Water Pipit, 4; Cedar Waxwing, 8; Loggerhead Shrike, 18; Starling, 200; Pine Warbler, 6; House Sparrow, 40; Eastern Meadowlark, 85; Redwinged Blackbird, 40; Rusty Blackbird, 35; Brown-headed Cowbird, 50; Cardinal, 45; Am. Goldfinch, 41; Savannah Sparrow, 20; Vesper Sparrow, 10; Slate-colored Junco, 45; Field Sparrow, 20; White-crowned Sparrow, 12; White-throated Sparrow, 3; Swamp Sparrow, 15; Song Sparrow, 8. **Total,** 56 species; about 1036 individuals. (Seen in area count period, but not on count day: Am. Woodcock, House Wren, Fox Sparrow.)—Dan C. Holliman.

308. Almont, Mich. (all points within a 15-mile diameter circle, center on Mack and Fisher Rds., circumference touching Dryden Rd. on north, Twenty-seven Mile Rd. on south, Coon Creek Rd. on east, Delano Rd. on west; town suburbs 5%, abandoned brush-covered fields 15%, lakes 5%, open farmland 30%, roadside borders 45%).—Dec. 20; 7:30 a.m. to 5 p.m. Cloudy; temp. 6° to 14°; wind N, 10 m.p.h.; roads snowy. Two observers in 1 party. Total party-hours, 9½ (3 on foot, 6½ by car); total party-miles, 107 (2 on foot, 105 by car). ► Red-tailed Hawk, 5; Red-shouldered Hawk, 1; Sparrow Hawk, 1; Ruffed Grouse, 1; Bobwhite, 9; Ring-necked Pheasant, 37; Mourning Dove, 23; Downy Woodpecker, 14; Blue Jay, 28; Common Crow, 12; Black-capped Chickadee, 45; White-breasted Nuthatch, 9; Brown Creeper, 2; Robin, 2; Golden-crowned Kinglet, 10; Cedar Waxwing, 2; Northern Shrike, 2; Starling, 333; House Sparrow, 80; Cardinal, 43; Purple Finch, 10; Am. Goldfinch, 80; Slate-colored Junco, 8; Tree Sparrow, 145; Song Sparrow, 4. **Total,** 25 species; about 906 individuals.—Harold F. Carpenter, James P. Smith (compiler).

309. Ann Arbor, Mich. (all points within a 15-mile diameter circle, center intersection of Highway 23 and Warren Road).—Dec. 20; 7:30 a.m. to 4:30 p.m.; temp. 6° to 18°; wind NW, 15 m.p.h. Eighteen observers in 4 parties. Total party-hours, 32 (12 on foot, 20 by car); total party-miles, 253 (13 on foot, 240 by car). ► Pied-billed Grebe, 1; Mallard, 1; Black Duck, 7; Common Goldeneye, 15; Common Merganser, 1; Cooper's Hawk, 4; Red-tailed Hawk, 12; Sparrow Hawk, 4; Bobwhite, 32; Ring-necked Pheasant, 11; Mourning Dove, 339; Great Horned Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 1; Red-bellied Woodpecker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 24; Horned Lark, 316; Blue Jay, 63; Common Crow, 6; Black-capped Chickadee, 50; Tufted Titmouse, 52; White-breasted Nuthatch, 25; Brown Creeper, 9; Robin, 1; Golden-crowned Kinglet, 6; Cedar Waxwing, 3; Northern Shrike, 1; Starling, 206; Myrtle Warbler, 8; House Sparrow, 693; Cardinal, 51; Evening Grosbeak, 1; Purple Finch, 13; Am. Goldfinch, 57; Slate-colored Junco, 104; Tree Sparrow, 707; Song Sparrow, 5; Lapland Longspur, 2. **Total,** 39 species; about 2839 individuals. (Seen in area count period, but not on count day: Red-shouldered Hawk, Marsh Hawk, Screech Owl, Red-breasted Nuthatch.)—Max Adler, Ernest Allmendinger, Ralph Branch, Margaret Branch, E. G. Burrows, T. Burrows, Marie Donegan, Carl Freeman, E. Genevieve Gillette, Wilfred Goodman, William F. Hopkins (compiler), Reul Kenyon, Maxine Miles, Alice Mulchahey, Ann Sleight, Heather G. Thorpe, H. B. Tordoff, Jeff Tordoff.

310. Bangor–South Haven, Mich. (all points within a 15-mile diameter circle, center ½ mile NW of Bangor; 2 miles east of Bangor, southwest to Van Auken Lake, northwest to Palisades Park, north along Lake Michigan to South Haven, northeast to Allegan Co. line, southeast to Bangor; open farmland 50%, upland woods 20%, lowland woods 10%, fencerows 5%, lake and shore 5%, marsh 5%, village 5%).—Dec. 28; 7:45 a.m. to 5:30 p.m. Clear; temp. 18° to 40°; wind 0-1 m.p.h.; 4-in. snow cover, small lakes frozen. Two observers in 1 party. Total party-hours, 9¾ (7 on foot, 2¾ by car); total party-miles, 67 (7 on foot, 60 by car). ► Canada Goose, 1; Common Goldeneye, 18; Common Merganser, 50; Cooper's Hawk, 1; Red-tailed Hawk, 3; Ruffed Grouse, 9; Bobwhite, 1; Ring-necked Pheasant, 28; Herring Gull, 30; Ring-billed Gull, 25; Screech Owl, 1; Barred Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 4; Red-

bellied Woodpecker, 6; Hairy Woodpecker, 1; Downy Woodpecker, 8; Horned Lark, 14; Blue Jay, 25; Common Crow, 8; Black-capped Chickadee, 5; Tufted Titmouse, 6; White-breasted Nuthatch, 10; Brown Creeper, 2; Robin, 1; Golden-crowned Kinglet, 1; Cedar Waxwing, 2; Starling, 68; House Sparrow, 180; Cardinal, 21; Evening Grosbeak, 7; Purple Finch, 6; Am. Goldfinch, 10; Slate-colored Junco, 43; Tree Sparrow, 15; Song Sparrow, 1. **Total,** 36 species; about 613 individuals.—Max Adler (compiler), Willet T. Van Velzen.

311. **Battle Creek, Mich.** (all points within a 15-mile diameter circle, center where Highways M89 and M96 unite; Battle Creek to Gull Lake, Wintergreen Lake, W. K. Kellogg Bird Sanctuary, Kellogg Forestry area; lake shore 10%, deciduous woodlots 20%, coniferous woodlots 20%, river borders 20%, roadsides and fields 30%).—Dec. 20; 6:50 a.m. to 5:30 p.m. Partly cloudy to clear; temp. –1° to 19°; no wind; 3-in. snow, lakes and most streams frozen. Thirteen observers in 4 parties. Total party-hours, 32 (8 on foot, 24 by car); total party-miles, 96 (8 on foot, 88 by car). ► Canada Goose, 64; Mallard, 132; Black Duck, 63; Common Goldeneye, 6; Common Merganser, 2; Cooper's Hawk, 2; Red-tailed Hawk, 1; Sparrow Hawk, 1; Ruffed Grouse, 1; Bobwhite, 21; Ring-necked Pheasant, 4; Herring Gull, 6; Mourning Dove, 2; Great Horned Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Red-bellied Woodpecker, 2; **Yellow-bellied Sapsucker, 1**; Hairy Woodpecker, 8; Downy Woodpecker, 8; Blue Jay, 60; Common Crow, 14; Black-capped Chickadee, 38; Tufted Titmouse, 29; White-breasted Nuthatch, 15; Brown Creeper, 1; Robin, 1; Golden-crowned Kinglet, 3; Cedar Waxwing, 84; Starling, 531; House Sparrow, 182; Cardinal, 73; Evening Grosbeak, 6; Purple Finch, 25; Pine Grosbeak, 2; Am. Goldfinch, 3; Slate-colored Junco, 39; Tree Sparrow, 10; Song Sparrow, 1. **Total,** 39 species; about 1445 individuals. (Seen in area count period, but not on count day: Red-headed Woodpecker.)—D. R. Altemus, E. M. Brigham, Jr., Mrs. Edna Chapman, E. Dahlman, W. A. Dyer, W. Gorsline, F. Huggett, Mrs. M. Isham, W. Lemmien, R. D. Van Deusen, Dr. and Mrs. L. H. Walkinshaw (compilers), D. Wood.

312. **Bay City, Mich.** (all points within a 15-mile diameter circle, center same as in 1956).—Dec. 20; 8 a.m. to 4:30 p.m. Sunny to cloudy; temp. –2° to 18°; wind W, 0-15 m.p.h.; 1-in. snow, ponds and rivers frozen. Five observers in 2 parties. Total party-hours, 12 (4 on foot, 8 by car); total party-miles, 140 (8 on foot, 132 by car). ► Mallard, 1; Black Duck, 9; Common Goldeneye, 2; Common Merganser, 48; Red-tailed Hawk, 9; Rough-legged Hawk, 12; Bald Eagle, 1; Marsh Hawk, 1; Sparrow Hawk, 5; Ring-necked Pheasant, 146; Herring Gull, 18; Ring-billed Gull, 1; Mourning Dove, 71; Yellow-shafted Flicker, 1; Downy Woodpecker, 5; Horned Lark, 55; Blue Jay, 27; Common Crow, 75; Black-capped Chickadee, 10; White-breasted Nuthatch, 11; Brown Creeper, 1; Northern Shrike, 1; Starling, 876; House Sparrow, 795; Redwinged Blackbird, 1; Brown-headed Cowbird, 1; Cardinal, 11; Evening Grosbeak, 8; Am. Goldfinch, 1; Slate-colored Junco, 2; Tree Sparrow, 93; Song Sparrow, 2; Lapland Longspur, 200; Snow Bunting, 315. **Total,** 34 species; about 2815 individuals.—Robert Grefe, Eugene E. Kenaga (compiler), Bruce Winchell, Grant Winchell, Mark A. Wolf.

313. **Davisburg, Mich.** (all points within a 15-mile diameter circle, center just south of Davisburg).—Dec. 28; 8 a.m. to 4 p.m. Fog cleared at 10 a.m.; temp. 24° to 40°; no wind; lakes frozen, 6-in. snow. Fifty-three observers in 14 parties. Total party-hours, 112 (62 on foot, 50 by car); total party-miles, 722 (136 on foot, 586 by car). ► Mallard, 12; Cooper's Hawk, 3; Red-tailed Hawk, 21; Red-shouldered Hawk, 1; Marsh Hawk, 3; Sparrow Hawk, 8; Ruffed Grouse, 9; Bobwhite, 108; Ring-necked Pheasant, 39; Mourning Dove, **191**; Belted Kingfisher, 1; Yellow-shafted Flicker, 4; **Red-bellied Woodpecker, 1**; Red-headed Woodpecker, 2; Hairy Woodpecker, 24; Downy Woodpecker, 103; Horned Lark, 15; Blue Jay, **526**; Common Crow, 31; Black-capped Chickadee, **614**; **Boreal Chickadee, 1** (20 ft.—D. G., R. G.); Tufted Titmouse, 243; White-breasted Nuthatch, 203; **Red-breasted Nuthatch, 2**; Brown Creeper, 25; Robin, 7; **Eastern Bluebird, 11** (2 parties); Golden-crowned Kinglet, 36; Ruby-crowned Kinglet, 3; Cedar Waxwing, 12; Starling, 806; House Sparrow, 2428; **Common Grackle, 1**; Cardinal, 277; Evening Grosbeak, 34; Purple Finch, 39; Pine Siskin, 1; Am. Goldfinch, **522**; **Rufous-sided Towhee, 1**; Slate-colored Junco, 470; Tree Sparrow, 1124; **Field Sparrow, 1** (G. L.); **White-throated Sparrow, 12** (2 parties); Swamp Sparrow, 1; Song Sparrow, 22. **Total,** 45 species; about 7998 individuals.—Helen Blanchet, Ed Cutler, E. M. Cutler, M. R. Cutler, B. L. Diamond, M. Diamond, Vic Drummond, Phil Drummond, W. Edgar, B. Edgar, E. Edgar, J. Edgar, Dorothy Fogt, Mr. and Mrs. Martin Gabler, Ora Gerhard, David Graham, Robert Graham, A. Henkel, Mathilde Henkel, M. Lee Hundley (compiler), Neil Kelley, Alice Kelley, Edna M. Kirsten, Keith K. Kreag, B. Kreag, G. Kreag, J. Kreag, Gunter Laubinger, L. R. Lenz, Verna Lenz, John Markley, Ruth McEvoy, Dan McGeen, J. D. McMillan, Doris McMillan, Paulyne L. Miller, Earl Neeb, W. P. Nickell, B. E. Norris, Marian Norris, Ralph Olsen, R. O'Reilly, Sergej Posterpalsky, D. H. Runck, K. Sanderson, W. Saylor, J. F. Seiger, W. Stelzer, J. C. Stuart, Eugene Trobaugh, Doris Trobaugh, Harriet Woolfenden (Detroit Audubon Society).

314. **Dowagiac, Mich.** (all points within a 15-mile diameter circle, center Dowagiac as preceding year; open fields 50%, swamp 15%, coniferous woods 1%, deciduous woods 24%, urban 10%).—Dec. 20; 8 a.m. to 5 p.m. Clear until 3 p.m., then snowfall; temp. 0° to 10°; wind WNW, 0-10 m.p.h. Three observers in 1 party. Total party-hours, 9; total party-miles, 60 all by car. ► Common Goldeneye, 5; Sharp-shinned Hawk, 1; Bobwhite, 48; Mourning Dove, 7; Belted Kingfisher, 1; Yellow-shafted Flicker, 2; Red-bellied Woodpecker, 3; Hairy Woodpecker, 3; Downy Woodpecker, 4; Blue Jay, 18; Common Crow,

10; Black-capped Chickadee, 12; Tufted Titmouse, 30; White-breasted Nuthatch, 7; Eastern Bluebird, 5; Starling, 62; House Sparrow, 416; Cardinal, 47; Purple Finch, 4; Am. Goldfinch, 2; **Vesper Sparrow,** 1; Slate-colored Junco, 217; Tree Sparrow, 51; Lincoln's Sparrow, 1 [unsatisfactory details—Ed.]; Song Sparrow, 6. **Total,** 25 species; about 963 individuals. —LaVerne Argabright, Letha M. Culver, Marie E. Thompson (compiler).

315. Glen Arbor, Mich. (all points within a 15-mile diameter circle, center Glen Arbor).—Dec. 26; 8 a.m. to 4 p.m.; temp. 30° to 36°; wind SW, 5-10 m.p.h. Two observers in 1 party. Total party-hours, 8; total party-miles, 25 (? on foot, ? by car). ► Mallard, 10; Pintail, 20; Common Goldeneye, 12; Common Merganser, 10; Ruffed Grouse, 4; Herring Gull, 100; Hairy Woodpecker, 10; Downy Woodpecker, 20; Blue Jay, 50; Black-capped Chickadee, 50; Tufted Titmouse, 8; White-breasted Nuthatch, 20; Red-breasted Nuthatch, 10; Brown Creeper, 10; Winter Wren, 2; Robin, 1; Starling, 40; Pine Warbler, 4 [no details—Ed.]; House Sparrow, 50; Cardinal, 8; Evening Grosbeak, 20; Pine Siskin, 4; Slate-colored Junco, 10; Song Sparrow, 4; Snow Bunting, 40. **Total,** 25 species; about 517 individuals.—George I. Francis (compiler), Louise Francis.

316. Hudsonville, Mich. (all points within a 15-mile diameter circle, center Hudsonville).—Dec. 21; 8 a.m. to 4:30 p.m. Sunny; temp. 5° to 20°; wind 4-5 m.p.h. Three observers in 1 party. Total party-hours, 8½ (1 on foot, 7½ by car); total party-miles, 72 (4 on foot, 68 by car). ► Cooper's Hawk, 1; Red-tailed Hawk, 2; Rough-legged Hawk, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 199; Herring Gull, 30; Ring-billed Gull, 1; Mourning Dove, 61; Screech Owl, 1; Red-bellied Woodpecker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 8; Blue Jay, 23; Common Crow, 30; Black-capped Chickadee, 11; Tufted Titmouse, 3; White-breasted Nuthatch, 3; Starling, 37; House Sparrow, 78; Eastern Meadowlark, 1; Cardinal, 22; Am. Goldfinch, 13; Slate-colored Junco, 156; Tree Sparrow, 61; Song Sparrow, 1. **Total,** 25 species; about 746 individuals.—Charlotte Chandler (compiler), Lelia Libby, Mrs. Arlene Sweet.

317. Imlay City, Mich. (all points within a 15-mile diameter circle, center same as preceding 9 years; farms and open pastures 50%; fencerows and brush-covered fields 33%, deciduous woodlots 10%, marshes, ponds, streams 5%. White Cedar swamps 1%, village and suburbs 1%).—Dec .28; 8 a.m. to 5 p.m. Foggy until noon, then clear; temp. 23° to 44°; wind SE, 2-4 m.p.h.; ground covered with snow. Eighteen observers in 7 parties. Total party-hours, 57 (12 on foot, 45 by car); total party-miles, 295 (40 on foot, 255 by car). ► Cooper's Hawk, 2; Red-tailed Hawk, 22; Marsh Hawk, 2; Sparrow Hawk, 3; Ring-necked Pheasant, 155; Mourning Dove, 140; Screech Owl, 1; Yellow-shafted Flicker, 3; Hairy Woodpecker, 23; Downy Woodpecker, 17; Horned Lark, 2; Blue Jay, 97; Common Crow, 106; Black-capped Chickadee, 122; Tufted Titmouse, 15; White-breasted Nuthatch, 30; Robin, 1; Golden-crowned Kinglet, 3; Northern Shrike, 1; **Loggerhead Shrike,** 1; Starling, 699; House Sparrow, 852; Eastern Meadowlark, 3; Redwinged Blackbird, 1; Cardinal, 82; Evening Grosbeak, 4; Purple Finch, 7; Am. Goldfinch, 152; Slate-colored Junco, 213; Tree Sparrow, 509; White-throated Sparrow, 1; Song Sparrow, 16; Snow Bunting, 25. **Total,** 33 species; about 3310 individuals. —Olive Betcher, Harold F. Carpenter, Ellsworth Gillard, Beatrice Gillard, Martha A. Lengemann (compiler), Velma Linekar, William Mason, Alice Miller, Thomas Osmer, Irene Schook, Buelah Schoonover, James P. Smith, Elizabeth Smith, Myrtle Terpening, Jack Terry, Ann Vanderheide, L. M. Zimmerman, L. P. Zimmerman (Lapeer County Audubon Society).

318. Kalamazoo, Mich. (all points within a 15-mile diameter circle, center junction of West Main and Drake Roads as last 10 years; roadside 30%, open farmland 30%, deciduous woods 20%, shrubby marsh 15%, running water and spring-fed pond 5%). —Dec. 27; 8:30 a.m. to 5:15 p.m. Snow showers to clear; temp. 33° to 40°; wind SW, 7-14 m.p.h.; 12-in. old snow on ground. Fourteen observers in 7 parties. Total party-hours, 28 (22 on foot, 6 by car); total party-miles, 178 (31 on foot, 147 by car). ► Great Blue Heron, 1; Canada Goose, 8; Mallard, 2; Common Goldeneye, 34; Common Merganser, 1; Cooper's Hawk, 2; Red-tailed Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 2; Ruffed Grouse, 2; Bobwhite, 29; Ring-necked Pheasant, 33; Killdeer, 1; Mourning Dove, 74; Screech Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 4; Red-bellied Woodpecker, 4; Red-headed Woodpecker, 2; Hairy Woodpecker, 6; Downy Woodpecker, 18; Horned Lark, 1; Blue Jay, 106; Common Crow, 51; Black-capped Chickadee, 88; Tufted Titmouse, 57; White-breasted Nuthatch, 20; Red-breasted Nuthatch, 1; Brown Creeper, 1; Robin, 6; Golden-crowned Kinglet, 5; Starling, 243; House Sparrow, 481; Cardinal, 95; Evening Grosbeak, 25; Purple Finch, 1; Am. Goldfinch, 10; Slate-colored Junco, 199; Tree Sparrow, 300; Field Sparrow, 1; Song Sparrow, 12. **Total,** 41 species; about 1932 individuals. (Seen in area count period, but not on count day: Hermit Thrush, Rufous-sided Towhee.)—H. Burrell, C. B. Cook, L. Culver, C. O. Dann, R. Deur, C. Hackney, Gladys A. Hall (compiler), R. D. Hedberg, M. Hedberg, B. Mott, J. Skillman, E. Skillman, M. Thompson, T. Van Velzen, H. Wiles.

319. Marquette, Mich. (all points within a 15-mile diameter circle, center junction of Front and Washington Streets; shoreline 30%, urban 10%, marsh 10%, mixed forest 25%, open farmlands and golf course 25%).—Dec. 28; 8 a.m. to 4:30 p.m. Cloudy, some sun; temp. 28° to 40°; wind S, up to 24 m.p.h.; 12-in. snow on ground, harbors ½ filled with ice, streams mostly covered over. Eight observers in 3 parties. Total party-hours, 25 (1 on foot, 24 by car); total party-miles, 220 (2 on foot, 218 by car). ► Common Goldeneye, 39; Common Merganser, 7; Bald Eagle, 1; Ruffed Grouse, 2; **Iceland Gull,** 1

(all 3 parties); Herring Gull, 200; Hairy Woodpecker, 2; Downy Woodpecker, 8; Blue Jay, 9; Common Raven, 2; Black-capped Chickadee, 21; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 4; Brown Creeper, 1; Robin, 15; Golden-crowned Kinglet, 2; Starling, 70; House Sparrow, 23; **Redwinged Blackbird, 2** (at feeder); Common Grackle, 1; Evening Grosbeak, 30; Purple Finch, 2; Pine Grosbeak, 25; Hoary Redpoll, 4; Common Redpoll, 35; Am. Goldfinch, 38; White-winged Crossbill, 17. **Total,** 27 species; about 562 individuals. (Seen in area count period, but not on count day: Goshawk, Glaucous Gull, Snowy Owl, Pileated Woodpecker, Bohemian Waxwing, Pine Siskin, Snow Bunting.)—Mrs. Florence Beer, Rita Gummerson, Richard Gysendorfer, Nickolas J. Ilnicky, Mrs. Mary Spear Ross (compiler), Rollin K. Thoren, Steve Thoren, Edwin C. Weiland.

320. Midland, Mich. (all points within a 15-mile diameter circle, center same as in 1955).—Dec. 27; 8 a.m. to 5:30 p.m. Cloudy; temp. 32° to 38°; wind SW, 0-5 m.p.h.; ground with 2-in. snow, ponds frozen, rivers partly open. Five observers in 2 parties. Total party-hours, 10 (4 on foot, 6 by car); total party-miles, 105 (5 on foot, 100 by car). ► Black Duck, 85; Common Goldeneye, 87; Common Merganser, 3; Red-shouldered Hawk, 1; Rough-legged Hawk, 2; Sparrow Hawk, 2; Ruffed Grouse, 6; Ring-necked Pheasant, 24; Herring Gull, 1; Mourning Dove, 72; Great Horned Owl, 1; Hairy Woodpecker, 3; Downy Woodpecker, 13; Blue Jay, 19; Common Crow, 8000; Black-capped Chickadee, 27; Tufted Titmouse, 15; White-breasted Nuthatch, 9; Brown Creeper, 3; Carolina Wren, 1; Robin, 3; Northern Shrike, 2; Starling, 159; House Sparrow, 971; Common Grackle, 1; Cardinal, 48; Evening Grosbeak, 94; Purple Finch, 11; Am. Goldfinch, 26; Slate-colored Junco, 36; Tree Sparrow, 32; Song Sparrow, 2. **Total,** 32 species; about 9759 individuals. (Seen in area count period, but not on count day: Brown Thrasher, Mockingbird, Cedar Waxwing.)—Henry Grefe, Robert Grefe, Eugene E. Kenaga (compiler), Bruce Winchell, Grant Winchell.

321. Mount Clemens, Mich. (all points within a 15-mile diameter circle, center same since 1951; area surrounding Anchor Bay, Lake St. Clair, from Huron Pointe to Harsen's Island; open farmland or fields 39%, deciduous second-growth 12%, roadsides 34%, towns and suburbs 4%, farm buildings 4%, cattail marsh 2%, open water 5%).—Dec. 28; 8:30 a.m. to 4:30 p.m. Very foggy morning, clear few hours midday; temp. 22° to 34°; wind SW, 10-20 m.p.h.; light snow, little open water, trees and vegetation covered with hoarfrost. Eight observers in 4 parties. Total party-hours, 32 (5 on foot, 27 by car); total party-miles, 209 (4 on foot, 205 by car). ► Scaup (sp.), 2; Common Goldeneye, 7; Cooper's Hawk, 2; Red-tailed Hawk, 3; Red-shouldered Hawk, 5; Rough-legged Hawk, 1; Bald Eagle, 1; Marsh Hawk, 7; Sparrow Hawk, 1; Bobwhite, 5; Ring-necked Pheasant, 44; Herring Gull, 5; Ring-billed Gull, 1; Mourning Dove, 11; Barn Owl, 2; Yellow-shafted Flicker, 3; Hairy Woodpecker, 2; Downy Woodpecker, 6; Horned Lark, 23; Blue Jay, 58; Common Crow, 597; Black-capped Chickadee, 9; Tufted Titmouse, 1; White-breasted Nuthatch, 3; Brown Creeper, 1; Golden-crowned Kinglet, 1; Starling, 267; House Sparrow, 338; Eastern Meadowlark, 4; Redwinged Blackbird, 150; Common Grackle, 9; Brown-headed Cowbird, 12; Cardinal, 43; Am. Goldfinch, 41; Slate-colored Junco, 88; Tree Sparrow, 490; Song Sparrow, 3. **Total,** 37 species; about 2246 individuals.—Mrs. Elmer Jasper, Bette J. Johnston (compiler), Mr. and Mrs. Cass Kierblewski, Douglas Middleton, Sharon Nerzwicki, Amanda Theis, Henry Trombley (Macomb Nature Association).

322. Mt. Pleasant, Mich. (all points within a 15-mile diameter circle, center same as in 1957); town suburbs 5%, upland deciduous forest 5%, upland coniferous forest 3%, bottomland deciduous forest 30%, bottomland coniferous forest 6%, plowed field 20%, pasture 20%, lakes and millponds 10%, cattail marsh 1%).—Dec. 20; 8 a.m. to 4 p.m. Overcast; temp. 0° to 10°; wind NW, 1-8 m.p.h.; 3-in. snow on ground, lakes frozen, rivers open, very cold past 3 weeks. Thirteen observers in 3 parties. Total party-hours, 20 (10 on foot, 10 by car); total party-miles, 100 (20 on foot, 80 by car). ► Mallard, 171; Black Duck, 14; Common Goldeneye, 12; Red-tailed Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 1; Ruffed Grouse, 9; Bobwhite, 9; Ring-necked Pheasant, 39; Mourning Dove, 50; Great Horned Owl, 1; **Long-eared Owl, 1** (close range—H. M., W. S.); Hairy Woodpecker, 10; Downy Woodpecker, 30; Blue Jay, 32; Common Crow, 5; Black-capped Chickadee, 124; Tufted Titmouse, 6; White-breasted Nuthatch, 38; Brown Creeper, 5; Winter Wren, 1; Golden-crowned Kinglet, 10; Northern Shrike, 1; Starling, 250; House Sparrow, 418; **Redwinged Blackbird, 4**; Cardinal, 41; Evening Grosbeak, 86; Purple Finch, 10; Am. Goldfinch, 29; **Rufous-sided Towhee, 1** (N. C., B. G.); Slate-colored Junco, 101; Tree Sparrow, **388**; Song Sparrow, 6. **Total,** 34 species; about 1905 individuals.—Harold Bently, Mrs. Harold Bently, Mabel Cuthbert, Nicholas Cuthbert (compiler), Blanche Gover, Harry Gover, Ann Keenan, Hudson Keenan, Irene Jorae, Arnold Koch, Harold Mahan, Margaret Millar, William Southern (Chippewa Valley Audubon Club).

323. Muskegon, Mich. (all points within a 15-mile diameter circle, center in downtown Muskegon; from Dunes State Park across Muskegon River marshland, through business section to south side of Muskegon Lake, through residential area to channel along beach at Lake Michigan; residential area 20%, wooded dunes 30%, lake shore 50%).—Dec. 27; 9 a.m. to 5 p.m. Partly cloudy to sunny; temp. 32° to 38°; wind SW, 14 m.p.h.; ground covered with snow, Muskegon Lake frozen over. Eleven observers in 1 party. Total party-hours, 8 (6 on foot, 2 by car); total party-miles, 75 (55 on foot, 20 by car). ► Mallard, 7; Black Duck, 33; Redhead, 1; Canvasback, 1; Greater and Lesser Scaup, 111; Common Goldeneye, 548; Bufflehead, 55; Oldsquaw, 5; Common Merganser, 90; Ruffed Grouse, 1; Ring-necked Pheasant, 14; Herring

Gull, 1629; Hairy Woodpecker, 2; Downy Woodpecker, 6; Blue Jay, 25; Common Crow, 1; Black-capped Chickadee, 37; Tufted Titmouse, 10; White-breasted Nuthatch, 9; Red-breasted Nuthatch, 1; Robin, 3; Golden-crowned Kinglet, 8; Starling, 67; House Sparrow, 135; Cardinal, 14; Evening Grosbeak, 2; Purple Finch, 1; Am. Goldfinch, 5; Slate-colored Junco, 34; Tree Sparrow, 31; Fox Sparrow, 1; Song Sparrow, 5. **Total,** 33 species; about 2892 individuals.—Robert Back, Almeda Boulton, Diane and Dwight Bull, Herman Dekker, Margaret Elliott (compiler), Paul Elliott, Pearl Roossinck, August and Mildred Twiest, George M. Wickstrom (Muskegon County Bird Club).

324. Northville, Mich. (all points within a 15-mile diameter circle, center same as in previous year). —Dec. 27; 7 a.m. to 5 p.m. Snow a.m., clear p.m.; temp. 20° to 35°; wind SW, 5 m.p.h.; 2-in. snow, most lakes and streams frozen. Ten observers in 2 parties. Total party-hours, 18 (8 on foot, 10 by car); total party-miles, 120 (8 on foot, 112 by car). ► Canada Goose, 100; Mallard, 100; Black Duck, 200; **Wood Duck, 1**; Common Goldeneye, 10; Red-tailed Hawk, 2; buteo (sp.), 3; Sparrow Hawk, 3; Bobwhite, 10; Ring-necked Pheasant, 8; Mourning Dove, 3; Belted Kingfisher, 1; Red-headed Woodpecker, 4; Hairy Woodpecker, 3; Downy Woodpecker, 7; Blue Jay, 12; Common Crow, 11; Black-capped Chickadee, 13; Tufted Titmouse, 9; White-breasted Nuthatch, 10; Brown Creeper, 1; Northern Shrike, 1; Starling, 144; House Sparrow, 80; Cardinal, 13; Evening Grosbeak, 2; Purple Finch, 4; Am. Goldfinch, 26; Slate-colored Junco, 26; Tree Sparrow, 61; Song Sparrow, 2. **Total,** 30 species; about 867 individuals. (Seen in area count period, but not on count day: Cedar Waxwing.)—John Begle, Mary Begle, Jan Drijver, Mrs. Jan Drijver, Dirk Groenenberg, Viola Groenenberg, Catherine Hartley, Harold Duncan Hartley, Harold S. Hartley (compiler).

325. Otsego, Mich. (all points within a 15-mile diameter circle, center same as in preceding 2 years; open farmland 30%, roadside 20%, deciduous woodlots 30%, bottomland and river 20%).—Dec. 30; 8 a.m. to 6 p.m. Clear; temp. 18° to 22°; wind NW, 5-10 m.p.h.; lakes and reservoirs frozen, river open. One observer. Total hours, 10 (7 on foot, 3 by car); total miles, 87 (6 on foot, 81 by car). ► **Whistling Swan, 2** (thru 20x scope); Canada Goose, 29; Mallard, 7; Black Duck, 33; Gadwall, 4; **Wood Duck, 2** (seen 3 days); Redhead, 4; Canvasback, 1; Common Goldeneye, 400; Bufflehead, 2; Common Merganser, 11; Red-tailed Hawk, 2; Sparrow Hawk, 1; Ruffed Grouse, 4; Herring Gull, 15; Ring-billed Gull, 33; Yellow-shafted Flicker, 2; Red-bellied Woodpecker, 3; Red-headed Woodpecker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 7; Horned Lark, 1; Blue Jay, 30; Common Crow, 31; Black-capped Chickadee, 8; Tufted Titmouse, 7; White-breasted Nuthatch, 9; Brown Creeper, 1; Robin, 1; Golden-crowned Kinglet, 4; Starling, 35; House Sparrow, 175; Cardinal, 25; Evening Grosbeak, 9; Purple Finch, 4; Pine Siskin, 1; Am. Goldfinch, 39; Slate-colored Junco, 55; Tree Sparrow, 31; Song Sparrow, 2. **Total,** 40 species; about 1034 individuals.—Ted Van Velzen.

326. Bloomington, Ind. (all points within a 15-mile diameter circle, center same as in 1950 and subsequent years; upland deciduous forest 36%, coniferous forest 9%, bottomland deciduous forest 7%, bottomland grassy and crop field 12%, upland grassy field 7%, bottomland brushy field 16%, fresh-water lakeshore 12%, urban wooded campus 1%).—Dec. 29; 4 a.m. to 5 p.m. Clear; temp. 21° to 53°; wind S, 0-17 m.p.h.; lakes frozen for several weeks, open stretches on streams. Six observers in 2 parties, separating into smaller groups for short periods, parties combining in afternoon. Total party-hours, 24 (15 on foot, 9 by car); total party-miles, 191 (17 on foot, 174 by car). ► Mute Swan, 4 (now breeding locally); Mallard, 1; Turkey Vulture, 1; Cooper's Hawk, 1; Red-tailed Hawk, 10; Red-shouldered Hawk, 2; Sparrow Hawk, 7; Bobwhite, 2; Killdeer, 21; Common Snipe, 8; Mourning Dove, 43; Screech Owl, 1; Great Horned Owl, 3; Barred Owl, 5; Belted Kingfisher, 1; Yellow-shafted Flicker, 13; Pileated Woodpecker, 12; Red-bellied Woodpecker, 24; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 8; Downy Woodpecker, 12; Horned Lark, 11; Blue Jay, 71; Common Crow, 42; Carolina Chickadee, 54; Tufted Titmouse, 110; White-breasted Nuthatch, 8; Brown Creeper, 2; Winter Wren, 1; Carolina Wren, 11; Mockingbird, 4; Eastern Bluebird, 23; Golden-crowned Kinglet, 8; Starling, 473; House Sparrow, 78; Eastern Meadowlark, 30; Redwinged Blackbird, 27; Common Grackle, 2; Brown-headed Cowbird, 3; Cardinal, 72; Am. Goldfinch, 151; Rufous-sided Towhee, 23; Slate-colored Junco, 237; Tree Sparrow, 157; Field Sparrow, 18; White-throated Sparrow, 3; Swamp Sparrow, 24; Song Sparrow, 49. **Total,** 48 species; about 1873 individuals. (Seen in area count period, but not on count day: Canada Goose, Black Duck, Sharp-shinned Hawk, Ruffed Grouse, Cedar Waxwing, Myrtle Warbler, Purple Finch.)—William Richard Adams, Reynold E. Carlson, David G. Frey, Val Nolan, Jr. (compiler), Jon Rickert, Raymond Schneider.

327. Hanover, Ind. (all points within a 15-mile diameter circle, center Hanover Post Office and including adjacent Ohio River).—Dec. 30; 3 a.m. to 3:15 a.m. and 8:20 a.m. to 5 p.m. Heavy clouds; temp. 35° to 40°; wind N, 3-10 m.p.h. Three observers in 1 party. Total party-hours, 9 (6 on foot, 2½ by car, ½ on boat); total party-miles, 64 (5 on foot, 58 by car, 1 by boat). ► Mallard, 167; Black Duck, 15; Hooded Merganser, 2; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 2; Killdeer, 3; Herring Gull, 10; Ring-billed Gull, 7; Mourning Dove, 6; Barred Owl, 1; Belted Kingfisher, 2; Pileated Woodpecker, 2; Red-bellied Woodpecker, 3; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 10; Blue Jay, 1; Common Crow, 24; Carolina Chickadee, 17; Tufted Titmouse, 34; White-breasted Nuthatch, 8; Carolina Wren, 14; Mockingbird, 1;

Robin, 15; Eastern Bluebird, 7; Golden-crowned Kinglet, 3; Loggerhead Shrike, 1; Starling, 403; Myrtle Warbler, 4; House Sparrow, 60; Eastern Meadowlark, 33; Rusty Blackbird, 50; Cardinal, 35; Purple Finch, 2; Am. Goldfinch, 4; Rufous-sided Towhee, 7; Slate-colored Junco, 82; Tree Sparrow, 38; White-crowned Sparrow, 2; White-throated Sparrow, 20; Song Sparrow, 51. **Total,** 43 species; about 1153 individuals. (Seen in area count period, but not on count day: Canada Goose, Bobwhite, Yellow-shafted Flicker, Brown Creeper, Field Sparrow.)—Enos Pray, Dan Webster (compiler), Jackson Webster.

328. Indianapolis, Ind. (all points within a 15-mile diameter circle, center same as in 1957; urban 2%, suburbs 14%, city parks 4%, open farmland 8%, upland deciduous forest 21%, lake front 17%, river and creek borders 34%).—Dec. 27; 7:30 a.m. to 5 p.m. Fair; temp. 30° to 51°; wind WSW, 3 m.p.h.; thin layer of snow in wooded areas, reservoir frozen, White River open. Eleven observers in 5 parties. Total party-hours, 34 (24 on foot, 10 by car); total party-miles, 219 (52 on foot, 167 by car). ► Pied-billed Grebe, 1; Great Blue Heron, 4; Black-crowned Night Heron, 2; Mallard, 956; Black Duck, 1606; Gadwall, 2; Green-winged Teal, 1; Common Goldeneye, 2; Bufflehead, 2; Sharp-shinned Hawk, 1; Cooper's Hawk, 4; Red-tailed Hawk, 4; Red-shouldered Hawk, 3; Marsh Hawk, 2; Sparrow Hawk, 12; Ring-necked Pheasant, 1; Killdeer, 1; Am. Woodcock, 3; Common Snipe, 3; Mourning Dove, 78; Screech Owl, 1; Barred Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 28; **Pileated Woodpecker,** 2; Red-bellied Woodpecker, 8; Red-headed Woodpecker, 16; Hairy Woodpecker, 14; Downy Woodpecker, 51; Horned Lark, 25; Blue Jay, 69; Common Crow, 156; Carolina Chickadee, 52; Tufted Titmouse, 65; White-breasted Nuthatch, 25; Red-breasted Nuthatch, 2; Brown Creeper, 12; Winter Wren, 4; Carolina Wren, 28; Mockingbird, **14**; Robin, 18; Eastern Bluebird, 11; Golden-crowned Kinglet, 9; Cedar Waxwing, 16; Starling, 577; House Sparrow, 397; Eastern Meadowlark, 25; Common Grackle, 1; Brown-headed Cowbird, 17; Cardinal, 177; Purple Finch, 1; Pine Siskin, 25; Am. Goldfinch, 12; Rufous-sided Towhee, 2; Slate-colored Junco, 347; Tree Sparrow, 11; White-crowned Sparrow, 3; White-throated Sparrow, 1; Fox Sparrow, 1; Song Sparrow, 38. **Total,** 60 species; about 4954 individuals. (Seen in area count period, but not on count day: Canada Goose, Ring-billed Gull, Yellow-bellied Sapsucker.)—Mildred F. Campbell, Mrs. S. G. Campbell, Mr. and Mrs. Joel W. Hadley, Charles E. Keller, Charles F. Marks, Betty Jean Moore, Mrs. Mary Riddle, John M. Satter, Henry C. West (compiler), Howard F. Wright (Amos W. Butler Audubon Society).

329. Jasper–Pulaski Game Preserve, Ind. (all points within a 15-mile diameter circle, center same as in 1955).—Dec. 20; 7 a.m. to 4:30 p.m. Clear; temp. 14° to 21°; wind S to W, 4-14 m.p.h.; 1-in. snow, ground bare in patches, ponds, marshes frozen, some streams open. One observer. Total hours, 9½ (7 on foot, 2½ by car); total miles, 35 (8 on foot, 27 by car). ► Canada Goose, 1; Mallard, 70; Black Duck, 8; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 6; Marsh Hawk, 1; Ring-necked Pheasant, 2; Ring-billed Gull, 1; Barred Owl, 1; Belted Kingfisher, 1; Red-bellied Woodpecker, 4; Red-headed Woodpecker, 4; Downy Woodpecker, 6; Blue Jay, 99; Common Crow, 275; Black-capped Chickadee, 24; Tufted Titmouse, 7; White-breasted Nuthatch, 5; Golden-crowned Kinglet, 20; Starling, 2500; House Sparrow, 212; Redwinged Blackbird, 100; Rusty Blackbird, 4; Common Grackle, 2; Cardinal, 26; Purple Finch, 4; Am. Goldfinch, 3; Slate-colored Junco, 740; Tree Sparrow, 337; Swamp Sparrow, 2; Song Sparrow, 11. **Total,** 32 species; about 4478 individuals.—Raymond Grow.

330. Lafayette, Ind. (all points within a 15-mile diameter circle, center top of 52-bypass hill as in past 12 years; riverbottom 19%, creekbottom 30%, deciduous woods 20%, evergreen woods 2%, low woods and brush 14%, fields 12%, marsh 1%, town 2%).—Dec. 22; 2:40 a.m. to 5 p.m. Clear; temp. 22° to 47°; wind SSW, 3-15 m.p.h.; ground bare, streams mostly frozen, ponds frozen. Thirteen observers in 7 parties. Total party-hours, 44 (39 on foot, 5 by car); total party-miles, 99 (42 on foot, 57 by car). ► Mallard, 70; Black Duck, 25; Common Goldeneye, **190**; Common Merganser, 16; Cooper's Hawk, 1; Red-tailed Hawk, 8; Red-shouldered Hawk, 1; Rough-legged Hawk, 5; **Bald Eagle,** 1; Marsh Hawk, 4; Sparrow Hawk, 21; Bobwhite, 1; Ring-necked Pheasant, 1; Killdeer, 7; Common Snipe, 11; Mourning Dove, 222; Barn Owl, 1; Screech Owl, 2; Great Horned Owl, 8; Long-eared Owl, 5; Short-eared Owl, 4; Belted Kingfisher, 3; Yellow-shafted Flicker, 25; Red-bellied Woodpecker, 38; Red-headed Woodpecker, 18; Hairy Woodpecker, 18; Downy Woodpecker, 99; Horned Lark, 9; Blue Jay, 78; Common Crow, 254; Carolina Chickadee, 72; Tufted Titmouse, 119; White-breasted Nuthatch, 49; Red-breasted Nuthatch, 1; Brown Creeper, 24; Winter Wren, 3; Carolina Wren, 39; Mockingbird, 3; Robin, 2; Eastern Bluebird, 4; Golden-crowned Kinglet, 12; Cedar Waxwing, 1; Starling, 6800; House Sparrow, 778; Eastern Meadowlark, 13; Redwinged Blackbird, 13; Rusty Blackbird, 1; Common Grackle, 2; Brown-headed Cowbird, 1; Cardinal, 102; **Evening Grosbeak, 1** (R. M.); Purple Finch, 3; Am. Goldfinch, 67; Slate-colored Junco, 385; Tree Sparrow, 649; Field Sparrow, 27; White-crowned Sparrow, 14; White-throated Sparrow, 4; Swamp Sparrow, 16; Song Sparrow, 84. **Total,** 60 species; about 10,435 individuals. (Seen in area count period, but not on count day: Oregon Junco.)—Irving Burr (compiler), Peter Burr, Armyn and Karleton Crain, Marvin DeJonge, Harold Dick, Horace Jackson, Charles Kirkpatrick, Brad Lane, Howard Michaud, Russell Mumford, Hubert and Doris Smith.

331. Michigan City, Ind. (all points within a 15-mile diameter circle, center same as in 1955).—Dec. 21; 6:30 a.m. to 4:30 p.m. Overcast, snow flurries; temp. 18° to 24°; wind SW to W, 6-18 m.p.h.;

2-5-in. snow on ground, water frozen, ¼ mile of pack ice on Lake Michigan. Nine observers in 5 parties. Total party-hours, 32 (18 on foot, 14 by car); total party-miles, 120 (40 on foot, 80 by car). ► Mallard, 167; Black Duck, 95; Pintail, 2; Green-winged Teal, 1; Canvasback, 2; Greater Scaup, 4; Lesser Scaup, 67; Common Goldeneye, 78; Bufflehead, 185; Oldsquaw, 1; Common Merganser, 245; Red-breasted Merganser, 4; Red-tailed Hawk, 1; Red-shouldered Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 3; Bobwhite, 14; Ring-necked Pheasant, 1; Herring Gull, 90; Ring-billed Gull, 30; Mourning Dove, 8; Long-eared Owl, 1; Belted Kingfisher, 1; Red-bellied Woodpecker, 6; Red-headed Woodpecker, 18; Hairy Woodpecker, 6; Downy Woodpecker, 16; Horned Lark, 7; Blue Jay, 72; Common Crow, 200; Black-capped Chickadee, 29; Tufted Titmouse, 31; White-breasted Nuthatch, 10; Robin, 4; Golden-crowned Kinglet, 6; Cedar Waxwing, 8; Starling, 635; House Sparrow, 290; Redwinged Blackbird, 60; Common Grackle, 9; Cardinal, 64; Evening Grosbeak, 1; Purple Finch, 28; Common Redpoll, 2; Pine Siskin, 9; Am. Goldfinch, 95; Slate-colored Junco, 350; **Oregon Junco, 1** (carefully identified—J. L., S. R.); Tree Sparrow, 537; White-crowned Sparrow, 4; Swamp Sparrow, 4; Song Sparrow, 38; Snow Bunting, 25. **Total,** 53 species; about 3568 individuals. (Seen in area count period, but not on count day: Redhead, Bonaparte's Gull, Brown Thrasher, Red-breasted Nuthatch.)—Laurie Binford, Ted Chandik, Charles Clark, Raymond Grow (compiler), Jim Landing, Mike Lister, John Louis, Scott Rea, Virginia Reuter-skiold.

332. Northern Lake Co., Ind. (all points within a 15-mile diameter circle, center same as in 1955).—Dec. 28; 7:45 a.m. to 5 p.m. Clear; temp. 30° to 51°; wind S to W, 0-10 m.p.h.; ground bare, snow in shady areas, water frozen except Burns' Ditch and Lake Michigan. Three observers in 2 parties. Total party-hours, 10½ (4 on foot, 6½ by car); total party-miles, 56 (6 on foot, 50 by car). ► Lesser Scaup, 1; Common Goldeneye, 3; Bufflehead, 1; Oldsquaw, 1; Common Merganser, 40; Red-breasted Merganser, 1; Red-shouldered Hawk, 1; Sparrow Hawk, 2; Herring Gull, 600; Ring-billed Gull, 450; Mourning Dove, 6; Yellow-shafted Flicker, 1; Red-headed Woodpecker, 9; Hairy Woodpecker, 1; Downy Woodpecker, 8; Blue Jay, 42; Common Crow, 78; Tufted Titmouse, 6; White-breasted Nuthatch, 5; Starling, 3461; House Sparrow, 1172; Redwinged Blackbird, 41; Rusty Blackbird, 1; Common Grackle, 500; Brown-headed Cowbird, 4; Cardinal, 10; Purple Finch, 14; Am. Goldfinch, 3; Slate-colored Junco, 136; Tree Sparrow, 217; White-crowned Sparrow, 6; Swamp Sparrow, 1; Song Sparrow, 25. **Total,** 33 species; about 6847 individuals.—Ted Chandik, Raymond Grow (compiler), John Louis.

333. Richmond, Ind. (all points within a 15-mile diameter circle, center 6 miles southwest of city's center, including Municipal Airport, Clear Creek valley, Elkhorn Creek valley, Conservation Park, part of Whitewater River valley).—Dec. 27; 7 a.m. to 4:30 p.m. Clear; temp. 24° to 36°; wind SW, 7-12 m.p.h.; ground bare, ponds frozen, streams open. Seventeen observers in 5 parties. Total party-hours, 38 (33 on foot, 5 by car); total party-miles, 115 (25 on foot, 90 by car). ► Great Blue Heron, 2; Mallard, 789; Black Duck, 344; Red-tailed Hawk, 10; Red-shouldered Hawk, 1; Marsh Hawk, 7; Sparrow Hawk, 1; Bobwhite, 11; Killdeer, 1; Mourning Dove, 255; Screech Owl, 1; Barred Owl, 1; Long-eared Owl, 1; Short-eared Owl, 2; Belted Kingfisher, 4; Yellow-shafted Flicker, 8; Red-bellied Woodpecker, 16; Red-headed Woodpecker, 2; Hairy Woodpecker, 9; Downy Woodpecker, 57; Horned Lark, 98; Blue Jay, 38; Common Crow, 88; Carolina Chickadee, 94; Tufted Titmouse, 54; White-breasted Nuthatch, 40; Brown Creeper, 9; Winter Wren, 3; Carolina Wren, 40; Mockingbird, 6; Eastern Bluebird, 10; Golden-crowned Kinglet, 10; Cedar Waxwing, 4; Starling, 381; Myrtle Warbler, 1; House Sparrow, 420; Eastern Meadowlark, 25; Cardinal, 121; Purple Finch, 7; Am. Goldfinch, 51; Rufous-sided Towhee, 2; Slate-colored Junco, 228; Tree Sparrow, 266; Field Sparrow, 3; White-crowned Sparrow, 10; White-throated Sparrow, 1; Swamp Sparrow, 8; Song Sparrow, 93; Lapland Longspur, 16. **Total,** 49 species; about 3649 individuals.—J. Boone, J. Confer, L. Confer, J. B. Cope (compiler), D. Curtis, E. Curtis, A. Davis, B. P. Davis, J. Gessaman, J. Grothaus, R. Grothaus, J. Hampton, J. Joyner, L. Ripberger, M. Snow, J. Stabler, G. L. Ward.

334. South Bend, Ind. (all points within a 15-mile diameter circle, center corner of Michigan and Washington Streets as in previous counts; deciduous woods 30%, marshland 5%, open farmland 30%, open river 20%, cedar and spruce groves 5%, park 10%).—Dec. 28; 7 a.m. to 4:30 p.m. Clear; temp. 20° to 48°; wind S, 5 m.p.h.; river and creeks open, lakes frozen. Thirty-one observers in 5 parties. Total party-hours, 41 (33 on foot, 8 by car); total party-miles, 362 (25 on foot, 337 by car). ► Mallard, 599; Black Duck, 10; Pintail, 44; **Am. Widgeon, 1**; Canvasback, 1; Common Goldeneye, 329; **Hooded Merganser, 1**; Common Merganser, 31; Cooper's Hawk, 2; Red-tailed Hawk, 11; Red-shouldered Hawk, 2; Marsh Hawk, 2; Sparrow Hawk, 15; Bobwhite, 60; Ring-necked Pheasant, 9; Herring Gull, 12; Ring-billed Gull, 3; Mourning Dove, 38; Screech Owl, 2; Great Horned Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 8; Red-bellied Woodpecker, 8; Red-headed Woodpecker, 26; Hairy Woodpecker, 14; Downy Woodpecker, 53; Horned Lark, 22; Blue Jay, 166; Common Crow, 6764; Black-capped Chickadee, 23; Tufted Titmouse, 105; White-breasted Nuthatch, 64; Brown Creeper, 11; Robin, 10; Golden-crowned Kinglet, 4; Cedar Waxwing, 149; Starling, 831; **Myrtle Warbler, 2**; House Sparrow, 910; Eastern Meadowlark, 7; Cardinal, 127; Purple Finch, 13; **Pine Siskin, 23**; Am. Goldfinch, 36; Slate-colored Junco, 307; Tree Sparrow, 160; Field Sparrow, 10; Song Sparrow, 20; Lapland Longspur, 5. **Total,** 49 species; about 11,055 individuals.—John Borneman, Helen Dawson, Arthur DeMaegd, Susan DeMaegd, Madelyn Dolan, Mirva Dufendach, Robert Fleming, Mary Ann Gibson, R. E. Gibson, Frank Griffin, John Groet, Dale Harbaugh,

Martha Hunter, Janet Kochanowski, Mary Madison, David Manuwal, Dorothy Meek, James Mitchell, Rosa Mitchell, Nancy Rea (compiler), Robert Rea, Scott Rea, David Schaffer, Richard Scholtes, Janet Scholtes, Ernest Ulbricht, Francis Van Huffel, Katie Van Huffel, Susan Van Huffel, Elinor Vesey, George Vesey (South Bend Audubon Society).

335. **Southeastern LaPorte County, Ind.** (all points within a 15-mile diameter circle, center same as last year).—Jan. 1; 8 a.m. to 4:30 p.m. Heavy overcast to cloudy; temp. 30° to 34°; wind E to SW, 8-10 m.p.h.; ground covered with crusted snow and ice, river and creeks open, ponds frozen. Six observers in 2 parties. Total party-hours, 17 (7 on foot, 10 by car); total party-miles, 83 (8 on foot, 75 by car). ► Mallard, 7800; Black Duck, 45; Cooper's Hawk, 1; Red-tailed Hawk, 3; Rough-legged Hawk, 2; Marsh Hawk, 7; Sparrow Hawk, 1; Bobwhite, 19; Ring-necked Pheasant, 12; Mourning Dove, 114; Short-eared Owl, 1; Red-headed Woodpecker, 1; Downy Woodpecker, 16; Horned Lark, 162 (2 races); Blue Jay, 27; Common Crow, 53; Black-capped Chickadee, 4; Tufted Titmouse, 24; White-breasted Nuthatch, 2; Starling, 145; House Sparrow, 427; Cardinal, 20; Purple Finch, 1; Common Redpoll, 1; Am. Goldfinch, 4; Slate-colored Junco, 95; Tree Sparrow, 248; Song Sparrow, 7; Lapland Longspur, 114; Snow Bunting, 35. **Total,** 30 species (1 additional race); about 9391 individuals.—Dorthy Buck (compiler), John Groet, Martha Hunter, Nancy Rea, R. Virgil Rea, Scott Rea.

336. **Southern Lake County, Ind.** (all points within a 15-mile diameter circle, center same as in 1956).—Dec. 23; 6:45 a.m. to 4:45 p.m. Overcast; temp. 34° to 32°; wind NW, 12 m.p.h.; river, lakes and creeks frozen, 3-in. snow. Two observers in 1 party. Total party-hours, 9 (5 on foot, 4 by car); total party-miles, 65 (5 on foot, 60 by car). ► Red-tailed Hawk, 7; Red-shouldered Hawk, 4; Rough-legged Hawk, 1; Marsh Hawk, 3; Ring-necked Pheasant, 7; Herring Gull, 2; Mourning Dove, 7; Great Horned Owl, 1; **Long-eared Owl, 8** (1 injured bird caught); Yellow-shafted Flicker, 1; Red-bellied Woodpecker, 1; Red-headed Woodpecker, 10; Hairy Woodpecker, 5; Downy Woodpecker, 6; Horned Lark, 20; Blue Jay, 65; Common Crow, 106; Tufted Titmouse, 18; White-breasted Nuthatch, 3; Cedar Waxwing, 15; Starling, 1046; House Sparrow, 52; **Eastern Meadowlark, 1** (seen well); Brown-headed Cowbird, 4; Cardinal, 26; Purple Finch, 7; Am. Goldfinch, 5; Slate-colored Junco, 70; Tree Sparrow, 139; Swamp Sparrow, 3; Song Sparrow, 8. **Total,** 31 species; about 1651 individuals.—Tom Litts, John Louis (compiler).

337. **Willow Slough State Game Preserve, Ind.** (all points within a 15-mile diameter circle, center same as in 1955).—Dec. 27; 6:45 a.m. to 5 p.m. Clear; temp. 32° to 42°; wind S to W, 5-18 m.p.h.; ground bare, snow in patches, ponds frozen, some ditches open. Four observers in 2 parties. Total party-hours, 10 (6 on foot, 4 by car); total party-miles, 40 (8 on foot, 32 by car). ► Canada Goose, 175; Mallard, 4500; Black Duck, 100; Common Merganser, 2; Sharp-shinned Hawk, 1; Red-tailed Hawk, 6; Bald Eagle, 1; Marsh Hawk, 7; Sparrow Hawk, 3; Greater Prairie Chicken, 4; Ring-necked Pheasant, 9; Mourning Dove, 7; Red-bellied Woodpecker, 1; Red-headed Woodpecker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 7; Horned Lark, 120; Blue Jay, 10; Common Crow, 132; Black-capped Chickadee, 3; Tufted Titmouse, 1; White-breasted Nuthatch, 3; Starling, 36; House Sparrow, 10; Eastern Meadowlark, 11; Redwinged Blackbird, 3; Cardinal, 26; Purple Finch, 7; Am. Goldfinch, 14; Slate-colored Junco, 268; Tree Sparrow, 507; Swamp Sparrow, 8; Song Sparrow, 12; Lapland Longspur, 2. **Total,** 34 species; about 6001 individuals. (Seen in area count period, but not on count day: Bufflehead, Rough-legged Hawk, Bobwhite, Screech Owl, Robin, Cedar Waxwing, Rusty Blackbird.)—Ted Chandik, Paul Davis, Raymond Grow (compiler), Russ Mumford.

338. **Bird Haven Sanctuary, Ill.** (all points within a 15-mile diameter circle, centering on Bird Haven; deciduous forest 10%, open farmlands 90%).—Dec. 27; 6 a.m. to 6 p.m. Clear; temp. 25° to 46°; wind SW, 5 m.p.h.; creeks open. Ten observers in 4 parties. Total party-hours, 35 (8 on foot, 27 by car); total party-miles, 365 (22 on foot, 343 by car). ► Mallard, 138; Canvasback, 110; Sharp-shinned Hawk, 1; Cooper's Hawk, 5; Red-tailed Hawk, 68; Red-shouldered Hawk, 18; Rough-legged Hawk, 9; Marsh Hawk, 27; Sparrow Hawk, 31; Greater Prairie Chicken, 2; Bobwhite, 36; Mourning Dove, 630; Screech Owl, 1; Barred Owl, 4; Belted Kingfisher, 2; Yellow-shafted Flicker, 63; Red-bellied Woodpecker, 50; Red-headed Woodpecker, 12; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 4; Downy Woodpecker, 74; Horned Lark, 32; Blue Jay, 275; Common Crow, 83; Carolina Chickadee, 145; Tufted Titmouse, 67; White-breasted Nuthatch, 5; Brown Creeper, 3; Bewick's Wren, 1; Carolina Wren, 40; Mockingbird, 55; Robin, 23; Eastern Bluebird, 56; Golden-crowned Kinglet, 4; Loggerhead Shrike, 15; Starling, 900; House Sparrow, 1232; Eastern Meadowlark, 268; Common Grackle, 20; Cardinal, 428; Purple Finch, 9; Am. Goldfinch, 75; Rufous-sided Towhee, 6; Slate-colored Junco, 669; Tree Sparrow, 434; Field Sparrow, 27; White-crowned Sparrow, 131; White-throated Sparrow, 50; Fox Sparrow, 2; Swamp Sparrow, 5; Song Sparrow, 77. **Total,** 51 species; about 6424 individuals.—Mr. and Mrs. Arnold Anderson, Mr. and Mrs. W. Bridges, Mrs. Minnie Hundley, Roy Lathrop, Mrs. W. Redman, Mr. and Mrs. Chester Scherer, Mrs. Howard Shaw (compiler).

339. **Bushnell, Ill.** (all points within a 15-mile diameter circle, center same as last year).—Dec. 27; 7 a.m. to 5 p.m. Clear; temp. 25° to 48°; wind SW, 5 m.p.h.; ground clear, water mostly frozen. Three observers in 1 party. Total party-hours, 10 (3 on foot, 7 by car); total party-miles, 68 (5 on foot, 63 by car). ► Mallard, 75; Red-tailed Hawk, 5; Marsh Hawk, 8; Sparrow Hawk, 9; Mourning Dove, 14; Great Horned Owl, 1; Yellow-shafted Flicker, 1;

Red-bellied Woodpecker, 4; Hairy Woodpecker, 1; Downy Woodpecker, 19; Horned Lark, 13; Blue Jay, 10; Common Crow, 46; Black-capped Chickadee, 19; Tufted Titmouse, 10; White-breasted Nuthatch, 8; Carolina Wren, 2; Mockingbird, 5; Loggerhead Shrike, 4; Starling, 313; House Sparrow, 476; Red-winged Blackbird, 75; Common Grackle, 8; Cardinal, 45; Am. Goldfinch, 6; Slate-colored Junco, 53; Tree Sparrow, 229; White-crowned Sparrow, 11; Song Sparrow, 17. **Total,** 29 species; about 1487 individuals.—Larry L. Hood (compiler), Doris R. Scholes, John H. Scholes.

340. Channahon, Ill. (all points within a 15-mile diameter circle; south along tow-path of I. and M. Canal, on northwest side of DuPage River and along Illinois River to Morris, then from Morris on southwest side of Illinois River, following Kankakee River and Des Plaines River to Channahon; river edge 60%, deciduous farm woodlots 15%, plowed fields and pastures 20%, cattail marsh 5%).—Dec. 27; 8:30 a.m. to 4:30 p.m. Sunny; temp. 30° to 45°; wind SW, 5-8 m.p.h.; few spots crusted with snow, large rivers open, small rivers and ditches frozen. Six observers in 1 party most of time. Total party-hours, 12; (6 on foot, 6 by car); total party-miles, 65 (7 on foot, 58 by car). ► Mallard, 1352+; Black Duck, 157; Pintail, 7; Canvasback, 2; Lesser Scaup, 20; Common Goldeneye, 25; Common Merganser, 2; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; accipiter (sp.), 1; Red-tailed Hawk, 15; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; buteo (sp.), 3; Marsh Hawk, 10; Sparrow Hawk, 1; Bobwhite, 2; Ring-necked Pheasant, 9; Common Snipe, 2; Herring Gull, 34; Ring-billed Gull, 3; Mourning Dove, 20; Screech Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 7; Red-bellied Woodpecker, 5; Hairy Woodpecker, 4; Downy Woodpecker, 8; Horned Lark, 7; Blue Jay, 1; Common Crow, 54; Black-capped Chickadee, 21; Tufted Titmouse, 8; White-breasted Nuthatch, 5; Brown Creeper, 8; Carolina Wren, 4; Robin, 1; Golden-crowned Kinglet, 1; Starling, 138+; House Sparrow, 147; Redwinged Blackbird, 100; Rusty Blackbird, 1; Cardinal, 20; Am. Goldfinch, 9; Slate-colored Junco, 62; Tree Sparrow, 140; Field Sparrow, 6; Swamp Sparrow, 4; Song Sparrow, 11. **Total,** 47 species; about 2447 individuals.—Bertha Bannert, Karl E. Bartel (compiler), Margaret C. Lehmann, Paul Schulze, Floyd A. Swink, Kenneth Wilz.

341. Chautauqua National Wildlife Refuge, Ill. (all points within a 15-mile diameter circle, center at refuge headquarters; deciduous bottomland hardwoods 75%, lakes 20%, towns 5%).—Dec. 20; 7:45 a.m. to 5:15 p.m. Cloudy to partly cloudy; temp. 21° to 44°; wind NW, 5-10 m.p.h.; no snow, water areas frozen. Three observers in 1 party. Total party-hours, 9½ (4½ on foot, 5 by car); total party-miles, 80 (5 on foot, 75 by car). ► Great Blue Heron, 86; Mallard, 95,000; Black Duck, 1600; Wood Duck, 3; Hooded Merganser, 2; Common Merganser, 40; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Bald Eagle, 25; Marsh Hawk, 4; Herring Gull, 1; Ring-billed Gull, 322; Mourning Dove, 8; Screech Owl, 1; Short-eared Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 3; Red-bellied Woodpecker, 6; Hairy Woodpecker, 3; Downy Woodpecker, 16; Blue Jay, 27; Common Crow, 44; Black-capped Chickadee, 26; Tufted Titmouse, 8; White-breasted Nuthatch, 7; Brown Creeper, 1; Carolina Wren, 5; Mockingbird, 1; Starling, 227; House Sparrow, 505; Cardinal, 209; Slate-colored Junco, 300; Tree Sparrow, 67; Song Sparrow, 4. **Total,** 34 species; about 98,555 individuals.—Arnold W. Fritz, K. Duane Norman (compiler), William C. Starrett.

342. Chicago, Ill. (all points within a 15-mile diameter circle, center at Touhy and Lincoln Aves. in Lincolnwood, including all Lakefront and Forest Preserve District in area, Graceland, Rosehill, and Memorial Park Cemeteries; city streets 8%, lakefront and harbors 20%, golf courses 1%, deciduous woods 41%, rivers and canals 4%, open fields 8%, cemeteries 10%, clay and gravel pits 1%, city parks 3%, feeders 4%).—Dec. 27; 7 a.m. to 4 p.m. Clear; temp. 36° to 38°; wind SW, 13 m.p.h.; lake open, rivers and canals partially open, 1-in. snow in forest preserves. Thirty-two observers in 5 parties. Total party-hours, 41 (34 on foot, 7 by car); total party-miles, 144 (28 on foot, 116 by car). ► Horned Grebe, 2; Mallard, 375; Black Duck, 20; Pintail, 6; **Wood Duck, 1**; Canvasback, 2; Lesser Scaup, 1; Common Goldeneye, 269; Oldsquaw, 184; Hooded Merganser, 1; Common Merganser, 2634; Red-breasted Merganser, 55; Red-tailed Hawk, 4; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Sparrow Hawk, 9; Ring-necked Pheasant, 27; Herring Gull, 2577; Ring-billed Gull, 166; Mourning Dove, 8; Long-eared Owl, 1; Red-bellied Woodpecker, 3; Hairy Woodpecker, 7; Downy Woodpecker, 39; **Horned Lark, 4**; Blue Jay, 20; Common Crow, 206; Black-capped Chickadee, 89; Tufted Titmouse, 1; White-breasted Nuthatch, 10; Brown Creeper, 1; Robin, 12; Golden-crowned Kinglet, 27; Cedar Waxwing, 15; Northern Shrike, 1; Starling, 1151; House Sparrow, 3719; Cardinal, 49; Purple Finch, 18; Am. Goldfinch, 8; Slate-colored Junco, 477; Tree Sparrow, 110; **White-throated Sparrow, 7**; **Fox Sparrow, 1**; **Swamp Sparrow, 2**; Song Sparrow, 15. **Total,** 46 species; about 12,336 individuals.—Mrs. Hadley Abernathy, Mrs. Kenneth Anglemire, Clyde Aultz, Mrs. Jane Bergheim, Mrs. T. K. Boyd, Van Allen Bradley, Mr. and Mrs. Fred Brechlin, Mrs. Irene Buchanan, Barry Burleson, Harold Corey, Thomas Delaney, Charles Easterberg, Joseph F. Healy, Stanley Hedeen, Mr. and Mrs. John Helmer, Bertha Huxford, John J. Janucz, J. Kraft, Mr. and Mrs. Russell Mannette, Helen McMillen, Mrs. Laurence Nobles, C. Randall, Mr. and Mrs. Robert Rulison, Philip Steffen, Brother I. Vincent (compiler), Mr. and Mrs. James Ware, Francis Whitehead (Evanston Bird Club).

343. Crab Orchard Wildlife Refuge, Ill. (all points within a 15-mile diameter circle, centered on Crab Orchard Wildlife Refuge, including parts of Little Grassy Lake and Devil's Kitchen Lake).—Dec.

31; 6 a.m. to 2:30 p.m. Cloudy with intermittent drizzles; temp. 36° to 41°; wind NE, 5-15 m.p.h. Eight observers in 4 parties. Total party-hours, 30 (16 on foot, 14 by car); total party-miles, 138 (21 on foot, 117 by car). ► Common Loon, 2; Horned Grebe, 2; Pied-billed Grebe, 1; Great Blue Heron, 6; Canada Goose, 7866; Mallard, 5253; Black Duck, 200; Pintail, 4; Canvasback, 4; Common Goldeneye, 25; Hooded Merganser, 9; Common Merganser, 2482; Red-tailed Hawk, 12; Red-shouldered Hawk, 3; Bald Eagle, 8; Sparrow Hawk, 2; Bobwhite, 29; Am. Coot, 17; Herring Gull, 252; Ring-billed Gull, 1690; Mourning Dove, 13; Great Horned Owl, 1; Barred Owl, 3; Belted Kingfisher, 1; Yellow-shafted Flicker, 40; Pileated Woodpecker, 5; Red-bellied Woodpecker, 13; Red-headed Woodpecker, 27; Hairy Woodpecker, 3; Downy Woodpecker, 13; Horned Lark, 4; Blue Jay, 164; Common Crow, 157; Black-capped Chickadee, 124; Tufted Titmouse, 28; Brown Creeper, 3; Carolina Wren, 25; Mockingbird, 91; Brown Thrasher, 1; Eastern Bluebird, 27; Golden-crowned Kinglet, 24; Ruby-crowned Kinglet, 6; Cedar Waxwing, 41; Loggerhead Shrike, 9; Starling, 500,922; Myrtle Warbler, 1; House Sparrow, 65; Eastern Meadowlark, 68; Redwinged Blackbird, 900,219; Common Grackle, 100,016; Brown-headed Cowbird, 50,000; Cardinal, 479; Purple Finch, 2; Am. Goldfinch, 74; Rufous-sided Towhee, 4; Slate-colored Junco, 912; Tree Sparrow, 55; Field Sparrow, 3; White-crowned Sparrow, 77; White-throated Sparrow, 13; Swamp Sparrow, 37; Song Sparrow, 19. **Total,** 62 species; about 1,571,656 individuals. (Seen in area count period, but not on count day: Marsh Hawk, Robin.)—Lee Bush (compiler), W. D. Carter, Ben Gelman, Al Manke, Bob Rice, Norman Schlaak, Larry Sheffield, Harry Stiles.

344. **Decatur, Ill.** (all points within a 15-mile diameter circle, center same since 1952).—Dec. 28; 3:30 a.m. to 6 p.m. Dense fog and freezing rain all day; temp. 32° to 48°. Twelve observers in 5 parties. Total party-hours, 52 (35 on foot, 17 by car); total party-miles, 295 (36 on foot, 259 by car). ► **Common Loon, 1; Green Heron, 1** (at warm outlet all week); Mallard, 843; Black Duck, 490; Pintail, 4; Am. Widgeon, 2; Ring-necked Duck, 1; scaup (sp.), 6; Common Goldeneye, 16; Red-tailed Hawk, 9; Red-shouldered Hawk, 1; Marsh Hawk, 4; Sparrow Hawk, 6; Bobwhite, 100; Am. Coot, 1; Killdeer, 5; Herring Gull, 1; Ring-billed Gull, 6; Mourning Dove, 76; Screech Owl, 2; Great Horned Owl, 5; Barred Owl, 1; Belted Kingfisher, 12; Yellow-shafted Flicker, 35; Pileated Woodpecker, 1; Red-bellied Woodpecker, 40; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 14; Downy Woodpecker, 60; Horned Lark, 26; Blue Jay, 103; Common Crow, 755; Black-capped Chickadee, 86; Tufted Titmouse, 94; White-breasted Nuthatch, 9; Brown Creeper, 8; **House Wren, 1** (carefully checked—T. N., J. R.); Carolina Wren, 45; Mockingbird, 27; Robin, 10; Eastern Bluebird, 1; Golden-crowned Kinglet, 11; **Ruby-crowned Kinglet, 1**; Loggerhead Shrike, 1; Starling, 1648; House Sparrow, 876; Eastern Meadowlark, 1; meadowlark (sp.), 10; Common Grackle, 1; Cardinal, 174; Purple Finch, 25; Am. Goldfinch, 175; Slate-colored Junco, 512; Tree Sparrow, 671; White-crowned Sparrow, 15; Fox Sparrow, 4; Swamp Sparrow, 20; Song Sparrow, 69. **Total,** 58 species; about 7125 individuals. (Seen in area count period, but not on count day: Canada Goose, Gadwall, Green-winged Teal, Common Merganser, Red-breasted Nuthatch, Redwinged Blackbird, Brown-headed Cowbird, Field Sparrow.)—Mrs. Ralph Allan, Edward Billings, George E. Chaniot, Jr. (compiler), Mr. and Mrs. Dean B. Gorham, Mr. and Mrs. Frank Irwin, Naomi Mckinney, Mr. and Mrs. Turner Nearing, John Reed, Richard S. Sandburg.

345. **Elsah, Ill.** (all points within a 15-mile diameter circle, center same as previous years).—Jan. 1; 6:30 a.m. to 8 p.m. Overcast; temp. 28° to 32°; wind W, 3-6 m.p.h. Five observers in 3 parties. Total party-hours, 16 (12 on foot, 4 by car); total party-miles, 30 (6 on foot, 24 by car). ► Canada Goose, 17; Lesser Scaup, 18; Bufflehead, 3; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Bald Eagle, 5; Ring-billed Gull, 100; Mourning Dove, 2; Screech Owl, 1; Great Horned Owl, 1; Yellow-shafted Flicker, 5; Pileated Woodpecker, 1; Red-bellied Woodpecker, 16; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 5; Downy Woodpecker, 27; Horned Lark, 17; Blue Jay, 35; Common Crow, 44; Black-capped Chickadee, 21; Tufted Titmouse, 42; White-breasted Nuthatch, 15; Red-breasted Nuthatch, 2; Carolina Wren, 11; Mockingbird, 3; Robin, 14; Eastern Bluebird, 11; Golden-crowned Kinglet, 3; Starling, 17; House Sparrow, 26; Eastern Meadowlark, 3; Redwinged Blackbird, 25; Cardinal, 49; Am. Goldfinch, 37; Slate-colored Junco, 95; Tree Sparrow, 310; White-crowned Sparrow, 6; White-throated Sparrow, 4. **Total,** 39 species; about 998 individuals.—R. A. Andrews, Constance Bennett, G. B. Happ, G. M. Happ, John F. Wanamaker (compiler).

346. **Joliet, Ill.** (all points within a 15-mile diameter circle, center Channahon, including Des Plaines and DuPage Rivers and prairies; deciduous woods 10%, bottomlands, backwater and wooded slopes 35%, cultivated fields 35%, country roadsides 20%).—Dec. 27; 7 a.m. to 3:30 p.m.; temp. 28° to 34°; wind W, 6-8 m.p.h.; 3-in. slushy snow. Sixteen observers in 3 parties. Total party-hours, 24 (16 on foot, 8 by car); total party-miles, 760 (136 on foot, 624 by car). ► Great Blue Heron, 1; Mallard, 3030; Black Duck, 410; Pintail, 22; Redhead, 19; Canvasback, 8; Lesser Scaup, 4; Common Goldeneye, 12; Common Merganser, 24; Cooper's Hawk, 1; Red-tailed Hawk, 30; Red-shouldered Hawk, 4; Rough-legged Hawk, 4; Bald Eagle, 1; Marsh Hawk, 5; Sparrow Hawk, 7; Ring-necked Pheasant, 61; Herring Gull, 62; Ring-billed Gull, 19; Mourning Dove, 44; **Long-eared Owl, 6**; Belted Kingfisher, 4; Yellow-shafted Flicker, 15; Red-bellied Woodpecker, 1; Red-headed Woodpecker, 4; Hairy Woodpecker, 5; Downy Woodpecker, 8; Horned Lark, 28; Blue Jay, 6; Common Crow, 350; Black-capped Chickadee, 72;

Tufted Titmouse, 6; White-breasted Nuthatch, 4; Brown Creeper, 1; Carolina Wren, 1; Golden-crowned Kinglet, 1; Starling, 706; House Sparrow, 515; Eastern Meadowlark, 3; Redwinged Blackbird, 6; Common Grackle, 1; Brown-headed Cowbird, 1; Cardinal, 19; Am. Goldfinch, 5; Slate-colored Junco, 750; Tree Sparrow, 880; White-throated Sparrow, 4; Swamp Sparrow, 28; Song Sparrow, 13. **Total,** 49 species; about 7211 individuals. (Seen in area count period, but not on count day: Snow Bunting, Lapland Longspur.)—Earl Chandler, Katherine Collins, Patrick Doolin, Patrick Doolin, Jr., Frank Geiger, Gerald Geiger, Alan Hickman, Wayne Hill, G. N. Hufford (compiler), Fr. Reinhold Link, Thomas McDonald, Kenneth McFarland, Jessie Mitchell, Frank Smith, Jerry Smith, C. D. Stallman.

347. Morton Arboretum Area, Ill. (all points within a 15-mile diameter circle, center Morton Arboretum, Lisle as last year; entire 800 acres of Arboretum, the Saganashkee Slough and forest preserve to its north, and Bemis Woods forest preserve; semi-open area 15%, open fields and farmland 10%, oak woods 35%, pine and spruce stands 30%, river-bottom 10%).—Dec. 28; 7:30 a.m. to 4:30 p.m. Sunny; temp. 31° to 53°; wind N, 3 m.p.h.; ground partially covered with snow. Seventeen observers in 6 parties. Total party-hours, 30 (25 on foot, 5 by car); total party-miles, 85 (29 on foot, 56 by car). ► Mallard, 1; Cooper's Hawk, 1; Red-tailed Hawk, 5; Red-shouldered Hawk, 3; Rough-legged Hawk, 2; buteo (sp.), 4; Marsh Hawk, 2; Sparrow Hawk, 2; Ring-necked Pheasant, 14; Herring Gull, 6; Ring-billed Gull, 6; Great Horned Owl, 1; Long-eared Owl, 19; Saw-whet Owl, 1; Red-bellied Woodpecker, 7; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 6; Downy Woodpecker, 36; Horned Lark, 6; Blue Jay, 33; Common Crow, 274; Black-capped Chickadee, 132; Tufted Titmouse, 22; White-breasted Nuthatch, 14; Red-breasted Nuthatch, 4; Brown Creeper, 12; Winter Wren, 2; Carolina Wren, 2; Robin, 13; **Townsend's Solitaire, 1** (in arboretum all month, numerous observers); Golden-crowned Kinglet, 37; **Bohemian Waxwing, 1** (in arboretum all month, numerous observers); Cedar Waxwing, 59; Starling, 106; House Sparrow, 66; Redwinged Blackbird, 16; Cardinal, 72; Evening Grosbeak, 5; Purple Finch, 83; Pine Siskin, 117; Am. Goldfinch, 29; Slate-colored Junco, 156; **Oregon Junco,** 1; Tree Sparrow, 47; White-throated Sparrow, 1; Fox Sparrow, 1; Song Sparrow, 14. **Total,** 47 species; about 1444 individuals. (Seen in area count period, but not on count day: Screech Owl, Yellow-shafted Flicker, shrike.)—Amy G. Baldwin, Bertha Bannert, Karl E. Bartel, James Grosboll, Dorothy and John Helmer, Richard B. Hoger, Edward F. Johnson, Florence Kent, Margaret C. Lehmann, Raymond Mostek, Alfred H. Reuss, Wilbur Rittenhouse, Paul Schulze, Charles A. Westcott, Carl Wilm, Kenneth Wilz.

348. Pere Marquette State Park, Ill. (all points within a 15-mile diameter circle, center 5 miles west of Grafton, including both sides of Illinois River and Swan Lake Refuge).—Dec. 27; 7 a.m. to 5 p.m. Haze to clear; temp. 30° to 55°; wind 15 m.p.h. Forty-one observers in 3 parties. Total party-hours, 30; total party-miles, 130 (15 on foot, 115 by car). ► Great Blue Heron, 50; Canada Goose, 350; Snow Goose, 4100; Blue Goose, 1100; Mallard, 40,000; Black Duck, 24; Pintail, 2; Canvasback, 78; Lesser Scaup, 174; Common Goldeneye, 135; Common Merganser, 430; Red-tailed Hawk, 9; Red-shouldered Hawk, 1; Bald Eagle, 46; Marsh Hawk, 5; Sparrow Hawk, 11; Bobwhite, 61; Herring Gull, 36; Ring-billed Gull, 940; Mourning Dove, 35; Barred Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 30; Pileated Woodpecker, 5; Red-bellied Woodpecker, 27; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 5; Downy Woodpecker, 43; Horned Lark, 19; Blue Jay, 74; Common Crow, 265; Black-capped Chickadee, 82; Tufted Titmouse, 45; White-breasted Nuthatch, 12; Brown Creeper, 1; Carolina Wren, 16; Mockingbird, 14; Brown Thrasher, 2; Eastern Bluebird, 38; Northern Shrike, 5; Starling, 264; Myrtle Warbler, 2; House Sparrow, 600; European Tree Sparrow, 1; Eastern Meadowlark, 45; Redwinged Blackbird, 5165; Brewer's Blackbird, 52; Common Grackle, 800; Cardinal, 294; Purple Finch, 1; Am. Goldfinch, 135; Slate-colored Junco, 183; Tree Sparrow, 76; Field Sparrow, 16; White-crowned Sparrow, 4; Song Sparrow, 34. **Total,** 57 species; about 55,949 individuals.—Cora W. Hutchinson, O. C. Hutchinson (compiler), Lynn Schaeffer, Mildred Schaeffer, John Wanamaker.

349. Princeton, Ill. (all points within a 15-mile diameter circle, center on Bureau Junction, including Bureau Creek, Old Red Mill Road, Thomas Woods, Illinois River Area, Old Mark and Hennepin Pike Roads).—Dec. 29; 7 a.m. to 5 p.m. Foggy a.m., overcast p.m.; temp. 38° to ?°; wind NW, 1-2 m.p.h.; little snow, streams open. Sixteen observers in 5 parties. Total party-hours, 50 (10 on foot, 40 by car); total party-miles, 264 (7 on foot, 257 by car). ► Canada Goose, 12; Mallard, 61; Cooper's Hawk, 1; Red-tailed Hawk, 14; Red-shouldered Hawk, 5; Rough-legged Hawk, 11; Marsh Hawk, 14; Sparrow Hawk, 7; Bobwhite, 34; Ring-necked Pheasant, 3; Common Snipe, 2; Ring-billed Gull, 31; Mourning Dove, 62; Great Horned Owl, 1; Belted Kingfisher, 2; Red-shafted Flicker, 10; Red-bellied Woodpecker, 20; Red-headed Woodpecker, 1; Hairy Woodpecker, 16; Downy Woodpecker, 6; Horned Lark, 15; Blue Jay, 20; Common Crow, 74; Black-capped Chickadee, 233; Tufted Titmouse, 77; White-breasted Nuthatch, 84; Red-breasted Nuthatch, 15; Brown Creeper, 3; Golden-crowned Kinglet, 12; Starling, 739; House Sparrow, 841; Common Grackle, 28; Cardinal, 126; Common Redpoll, 2. Am. Goldfinch, 191; **Lark Sparrow, 2** (carefully identified—M. S., D. F., P. P.); Slate-colored Junco, 558; Tree Sparrow, 742; Song Sparrow, 22. **Total,** 39 species; about 4097 individuals. (Seen in area count period, but not on count day: Bald Eagle, Turkey, Cedar Waxwing, Fox Sparrow, Field Sparrow.)—W. D. Boyle, Mrs. W. D. Boyle, Mrs. Orville Cater, Alfred Dyke, Donnabelle Fry, Joe Hawks, Gynetha Hawks,

Mrs. E. G. Hoyle, Carl H. Kramer (compiler), Peggie Paden, Marjorie Powell, Ellis Rudiger, Ethel Sharp, Ruth Skinner, Mary Smith, Harry Thomas (Bureau Valley Audubon Club).

350. **River Forest–Chicago Lakefront, Ill.** (all points within a 15-mile diameter circle, center at Pulaski Rd. and Madison St., Chicago, including lakefront from Randolph St. to Meigs Field, woods along Des Plaines River in River Forest; deciduous woodland 55%, lakefront 35%, brushy fields 10%).—Dec. 26; 7:15 a.m. to 4:15 p.m. Cloudy to clear; temp. 27° to 37°; wind SE, 15-25 m.p.h.; 2-in. snow on ground, lake partly frozen, river frozen. One observer. Total hours, 9 (7 on foot, 2 by car); total miles, 20 (11 on foot, 9 by car). ► Mallard, 2; Lesser Scaup, 9; Common Goldeneye, 27; Red-breasted Merganser, 3; Herring Gull, 43; Ring-billed Gull, 43; Yellow-shafted Flicker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 26; Common Crow, 91; Black-capped Chickadee, 22; Tufted Titmouse, 4; White-breasted Nuthatch, 1; Brown Creeper, 1; Golden-crowned Kinglet, 4; Starling, 32; House Sparrow, 24; Cardinal, 27; Am. Goldfinch, 2; Slate-colored Junco, 20; Fox Sparrow, 11; Song Sparrow, 3. **Total,** 22 species; about 399 individuals. (Seen in area count period, but not on count day: Red-shouldered Hawk, Blue Jay, Purple Finch.)—Allen C. Montague.

351. **Rockford, Ill.** (all points within a 15-mile diameter circle, center same as last year; open fields and farms 30%, coniferous plantings 5%, creek and river borders 20%, deciduous woodlands 30%, marshlands and riverbottom sloughs 15%).—Dec. 21; 7 a.m. to 5 p.m. Cloudy, snowing until noon; temp. 10° to 25°; wind W, 5-15 m.p.h.; 4-in. snow on ground, most water frozen. Twenty observers in 5 parties. Total party-hours, 46 (26 on foot, 20 by car); total party-miles, 387 (47 on foot, 340 by car). ► Mallard, 17; Black Duck, 4; Sharp-shinned Hawk, 3; Cooper's Hawk, 4; Red-tailed Hawk, 52; Red-shouldered Hawk, 18; Rough-leggged Hawk, 9; Marsh Hawk, 2; Sparrow Hawk, 8; Ring-necked Pheasant, 116; Gray Partridge, 2; Herring Gull, 3; Mourning Dove, 64; Screech Owl, 3; Great Horned Owl, 4; Barred Owl, 10; Long-eared Owl, 17; Short-eared Owl, 2; Saw-whet Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 67; Red-bellied Woodpecker, 44; Red-headed Woodpecker, 14; Hairy Woodpecker, 6; Downy Woodpecker, 70; Horned Lark, 15; Blue Jay, 206; Common Crow, 366; Black-capped Chickadee, 194; Tufted Titmouse, 116; White-breasted Nuthatch, 91; Red-breasted Nuthatch, 2; Brown Creeper, 8; Winter Wren, 1; Robin, 1; Golden-crowned Kinglet, 28; Cedar Waxwing, 12; Starling, 955; House Sparrow, 524; Eastern Meadowlark, 12; Western Meadowlark, 15; Redwinged Blackbird, 60; Rusty Blackbird, 2; Common Grackle, 7; Cardinal, 330; Purple Finch, 276; Common Redpoll, 3; Am. Goldfinch, 23; Slate-colored Junco, 580; Tree Sparrow, 919; Field Sparrow, 1; **White-crowned Sparrow, 2**; White-throated Sparrow, 1; Swamp Sparrow, 10; Song Sparrow, 36; Lapland Longspur, 200. **Total,** 56 species; about 5538 individuals.—Donald Bennett, Harold Bennett, Paul Boynton, David L. Burdick, Sherman Ehlert, Betty Lou Johnson, Lee G. Johnson, Mary Jane Jones, Suzanne Mahlburg, Milton Mahlburg, Don Smith Prentice (compiler), Cliff Ramsby, Dave Seal, Daryl Stombaugh, Sylvia D. Timm.

352. **Springfield, Ill.** (all points within a 15-mile diameter circle, centering on city square, including Lake Springfield, Clear Lake, Oak Ridge Cemetery, Carpenter's Park, Winch's Lane, Chatham Flats, Sangamon River; water 5%, riverbottom 15%, river bluffs 5%, pasture 20%, plowland 40%, city parks 15%).—Dec. 28; 7:30 a.m. to 5 p.m. Clear; temp. 26° to 53°; wind S, 9 m.p.h.; ground bare, river and lakes frozen except 2 small areas on Lake Springfield. Twenty-two observers in 7 parties. Total party-hours, 44 (34 on foot, 10 by car); total party-miles, 266 (25 on foot, 241 by car). ► Canada Goose, 6; Mallard, 4000; Black Duck, 3500; Ring-necked Duck, 4; Canvasback, 1; Lesser Scaup, 20; Common Goldeneye, 100; Hooded Merganser, 1; Common Merganser, 100; Red-breasted Merganser, 6; Red-tailed Hawk, 6; Marsh Hawk, 4; Sparrow Hawk, 9; Bobwhite, 51; Am. Coot, 20; Killdeer, 1; Herring Gull, 50; Ring-billed Gull, 30; Mourning Dove, 28; Great Horned Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 17; Red-bellied Woodpecker, 37; Red-headed Woodpecker, 8; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 12; Downy Woodpecker, 70; Horned Lark, 49; Blue Jay, 102; Common Crow, 222; Black-capped Chickadee, 140; Tufted Titmouse, 134; White-breasted Nuthatch, 20; Brown Creeper, 10; Carolina Wren, 25; Mockingbird, 3; Robin, 1; Eastern Bluebird, 3; Golden-crowned Kinglet, 7; Loggerhead Shrike, 1; Starling, 25,000; House Sparrow, 900; Eastern Meadowlark, 15; Cardinal, 240; Purple Finch, 14; Am. Goldfinch, 61; Slate-colored Junco, 283; Tree Sparrow, 219; White-crowned Sparrow, **11**; White-throated Sparrow, 9; Song Sparrow, 56. **Total,** 51 species; about 35,612 individuals.—Dr. and Mrs. Richard Allyn, Stanley Atterberry, Erma Bixler, Mina Bixler, Carl Cook, Maurice Cook, Beatrice Foster, Lena Hardbarger, Lois Hogan, Ellen Hopkins, Beatrice Hopwood, Al Kaszynski, Emma Leonhard, William O'Brien, Opel M. Rippey, W. A. Sausaman (compiler), Charles Scherck, Ray Shull, Daisy Thompson, Richard Ware, Ray Weingardt (Springfield Nature League).

353. **Urbana–Champaign, Ill.** (all points within a 15-mile diameter circle, centered to include Sangamon River near White Heath, Lake-of-the-Woods, Trelease and Brownfield Woods, South University Farms, intervening farmlands; woods 35%, forest-edge 35%, open country 30%).—Dec. 20; 8 a.m. to 4 p.m. Clear; temp. 13° to 27°; wind moderate. Fifteen observers in 4 parties. Total party-hours, 28 (16 on foot, 12 by car); total party-miles, 162 (22 on foot, 140 by car). ► Mallard, 44; Red-tailed Hawk, 6; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 6; Sparrow Hawk, 2; Ring-necked Pheasant, 21; Mourning Dove, 120; Barred Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker,

13; Red-bellied Woodpecker, 22; Red-headed Woodpecker, 35; Hairy Woodpecker, 6; Downy Woodpecker, 57; Horned Lark, 84; Blue Jay, 41; Common Crow, 153; Black-capped Chickadee, 68; Tufted Titmouse, 91; White-breasted Nuthatch, 20; Brown Creeper, 24; Carolina Wren, 10; Robin, 1; Eastern Bluebird, 1; Golden-crowned Kinglet, 5; Starling, 400; House Sparrow, 950; Eastern Meadowlark, 11; Cardinal, 26; Purple Finch, 45; Am. Goldfinch, 13; Rufous-sided Towhee, 1; Slate-colored Junco, 145; Tree Sparrow, 420; **White-crowned Sparrow, 4** (S. C. K.); White-throated Sparrow, 1; Song Sparrow, 19; Lapland Longspur, 1. **Total,** 39 species; about 2871 individuals.—E. R. Billings, Richard Brewer, Alan Carpenter, Lois Drury, Ralph Eisemann, Jean Graber, Richard Graber, Katie Hamrick, William Hay, S. C. Kendeigh (compiler), Clark S. Robinson, Frederick Sargent, G. C. West, W. W. Wohlfarth (Champaign County Audubon Club).

354. Waukegan, Ill. (all points within a 15-mile diameter circle, center Waukegan, including lake front, woods and fields north of Waukegan, Public Service cooling pond, bird feeder in Lake Bluff, St. Mary's of the Lake Seminary Woods; lake edge 60%, pine and other evergreens 10%, open fields 15%, inland lakes and creeks 15%).—Jan. 1; 8:30 a.m. to 4:45 p.m. Partly foggy and overcast; temp. 33° to 34°; wind E, 5-12 m.p.h.; 1-3-in. fresh snow on ground, water in Lake Michigan open, small creeks frozen. Nine observers in 2 parties. Total party-hours, 9 (2 on foot, 7 by car); total party-miles, 39 (9 on foot, 30 by car). ► Mallard, 33; Green-winged Teal, 1; Am. Widgeon, 3; Redhead, 1; Greater Scaup, 7; Lesser Scaup, 32; Common Goldeneye, 138; Common Merganser, 182; Red-tailed Hawk, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 2; Am. Coot, 7; Herring Gull, 270; Ring-billed Gull, 60; owl (sp.), 1; Blue Jay, 3; Common Crow, 9; Black-capped Chickadee, 4; Red-breasted Nuthatch, 8; Brown Creeper, 1; Starling, 47; House Sparrow, 14; Cardinal, 1; Am. Goldfinch, 1; Slate-colored Junco, 33; Tree Sparrow, 32; Swamp Sparrow, 1. **Total,** 27 species; about 893 individuals. (Gray Jay reported at feeder in Highland Park. Our party did not see it.)—Karl E. Bartel, Margaret C. Lehmann (compiler), Paul Schulze, Margaret Smith, Roy Smith, Floyd A. Swink, Helen A. Wilson, John Yondorf, Janet Zimmermann.

355. Western Mercer County, Ill. (all points within a 15-mile diameter circle, center same as last year).—Dec. 21; 7 a.m. to 5 p.m. Overcast, clearing; temp. 19° to 30°; wind SE, 10-15 m.p.h. Nine observers in 5 parties. Total party-hours, 29 (9 on foot, 20 by car); total party-miles, 270 (16 on foot, 254 by car). ► Mallard, 123; Black Duck, 14; Common Goldeneye, 251; Common Merganser, 110; Sharp-shinned Hawk, 1; Cooper's Hawk, 5; Red-tailed Hawk, 27; Red-shouldered Hawk, 2; Rough-legged Hawk, 6; Bald Eagle, 34; Marsh Hawk, 8; Sparrow Hawk, 3; Bobwhite, 26; Ring-necked Pheasant, 1; Herring Gull, 9; Mourning Dove, 31; Screech Owl, 6; Great Horned Owl, 4; Barred Owl, 2; Long-eared Owl, 12; Short-eared Owl, 1; Saw-whet Owl, 1; Yellow-shafted Flicker, 17; Pileated Woodpecker, 4; Red-bellied Woodpecker, 11; Hairy Woodpecker, 18; Downy Woodpecker, 38; Horned Lark, 11; Blue Jay, 108; Common Crow, 266; Black-capped Chickadee, 194; Tufted Titmouse, 31; White-breasted Nuthatch, 25; Red-breasted Nuthatch, 1; Carolina Wren, 1; Robin, 4; Golden-crowned Kinglet, 6; Cedar Waxwing, 65; Starling, 803; House Sparrow, 1276; Eastern Meadowlark, 12; Redwinged Blackbird, 1; Brown-headed Cowbird, 1; Cardinal, 230; Purple Finch, 3; Am. Goldfinch, 130; Slate-colored Junco, 567; Tree Sparrow, 188; White-crowned Sparrow, 3; Song Sparrow, 13. **Total,** 50 species; about 4704 individuals.—Lewis Blevins, Dale Dickinson, Clark Ehlers, Theodore Greer, Richard Greer, Nellie Marsh, Peter Peterson, Jr., Marjie Trial, Robert Trial (compiler).

356. Adams, Wis. (all points within a 15-mile diameter circle, center 1 mile south of Dellwood; same area and habitat percentages as in past 5 years).—Dec. 27; 4:30 a.m. to 5:30 p.m. Clear; temp. 25° to 36°; wind W, 2-10 m.p.h.; ground mostly bare, Wisconsin River open only below dams, creeks partly open. Twelve observers in 4 parties. Total party-hours, 37 (15 on foot, 22 by car); total party-miles, 230 (16 on foot, 214 by car). ► Great Blue Heron, 3; Mallard, 102; Black Duck, 82; **Green-winged Teal, 1** (M. L., R. L.); **Wood Duck, 1** (injured); scaup (sp.), 1; Common Goldeneye, 36; Common Merganser, 47; Cooper's Hawk, 1; Red-tailed Hawk, 3; Rough-legged Hawk, 3; Bald Eagle, 21; Marsh Hawk, 1; Sparrow Hawk, 1; Ruffed Grouse, 10; **Sharp-tailed Grouse, 1** (all field marks); Bobwhite, 51; Ring-necked Pheasant, 6; **Am. Coot, 1**; Common Snipe, 2; Mourning Dove, 29; Screech Owl, 2; Great Horned Owl, 19; Barred Owl, 1; Long-eared Owl, 1; Belted Kingfisher, 2; Pileated Woodpecker, 6; Red-bellied Woodpecker, 10; Red-headed Woodpecker, 1; Hairy Woodpecker, 14; Downy Woodpecker, 18; Horned Lark, 10; Blue Jay, 194; Common Crow, 103; Black-capped Chickadee, 146; Tufted Titmouse, 1; White-breasted Nuthatch, 54; Red-breasted Nuthatch, 2; Brown Creeper, 5; Golden-crowned Kinglet, 13; **Bohemian Waxwing, 100** (N. B., R. L., M. W.); Starling, 143; House Sparrow, 280; Cardinal, 16; Evening Grosbeak, 15; Purple Finch, 12; Common Redpoll, 7; Am. Goldfinch, 948; Slate-colored Junco, 147; Tree Sparrow, 102; **Field Sparrow, 2** (T. N., S. R.); **White-throated Sparrow, 1** (at feeder); Snow Bunting, 1. **Total,** 53 species; about 2779 individuals. (Seen in area count period, but not on count day: Red-shouldered Hawk, Northern Shrike.)—Mr. and Mrs. N. R. Barger, Mrs. Carl Lobenstein, Mr. and Mrs. Roy Lound, Tom Nicholls, Sam Robbins (compiler), Mr. and Mrs. Alan Rusch, Josephine Walker, Mary Walker, Ray White.

357. Appleton, Wis. (all points within a 15-mile diameter circle, center Appleton, east to Kaukauna, west and south to Lake Winnebago, west to Neenah, north to Town Line Road).—Dec. 20; 7 a.m. to 5 p.m.; temp. 8° to 16°; wind NW, 8 m.p.h. Six observers in 3 parties. Total party-hours, 25 (5 on foot,

20 by car); total party-miles, 111 (10 on foot, 101 by car). ► Mallard, 39; Black Duck, 61; Common Goldeneye, 74; Common Merganser, 15; Red-breasted Merganser, 4; Red-tailed Hawk, 3; Sparrow Hawk, 1; Ruffed Grouse, 2; Ring-necked Pheasant, 1; Gray Partridge, 14; Herring Gull, 7; Mourning Dove, 5; Hairy Woodpecker, 6; Downy Woodpecker, 14; Blue Jay, 30; Common Crow, 39; Black-capped Chickadee, 36; Tufted Titmouse, 4; White-breasted Nuthatch, 13; Brown Creeper, 5; Robin, 2; Golden-crowned Kinglet, 4; **Bohemian Waxwing, 47**; Cedar Waxwing, 36; Northern Shrike, 2; Starling, 353; House Sparrow, 337; Cardinal, 19; Evening Grosbeak, 4; Purple Finch, 19; Am. Goldfinch, 51; Slate-colored Junco, 171; Tree Sparrow, 52; White-throated Sparrow, 1. **Total,** 34 species; about 1471 individuals.—Mrs. A. C. Berry, Mrs. C. W. Coffin (compiler), Mrs. T. E. Orbison, Mrs. W. C. Rehbein, John Teeple, Darrell Tessen (Appleton Audubon Society).

358. Bancroft, Wis. (all points within a 15-mile diameter circle, center 3 miles west of Bancroft, includes Buena Vista Marsh and surrounding woods and fields; marsh and fields 90%, woods 10%).—Dec. 30; 6:45 a.m. to 4:30 p.m. Clear; temp. 0° to 25°; wind NW, 0-5 m.p.h.; ground mostly bare, creeks 95% frozen. Six observers in 2 parties. Total party-hours, 10 (1 on foot, 9 by car); total party-miles, 180 (2 on foot, 178 by car). ► Cooper's Hawk, 2; Red-tailed Hawk, 1; Ruffed Grouse, 2; Greater Prairie Chicken, 68; Bobwhite, 9; Ring-necked Pheasant, 3; Great Horned Owl, 4; Barred Owl, 1; Pileated Woodpecker, 2; Red-bellied Woodpecker, 2; Hairy Woodpecker, 3; Downy Woodpecker, 3; Horned Lark, 16; Blue Jay, 76; Common Crow, 406; Black-capped Chickadee, 19; White-breasted Nuthatch, 7; Golden-crowned Kinglet, 1; Northern Shrike, 1; Starling, 81; House Sparrow, 180; blackbird (sp.), 6; Evening Grosbeak, 9; Purple Finch, 6; Common Redpoll, 3; Pine Siskin, 1; Am. Goldfinch, 499; Red Crossbill, 8; Slate-colored Junco, 79; Snow Bunting, 4. **Total,** 30 species; about 1502 individuals. (Seen in area count period, but not on count day: Screech Owl.)—Elva Hamerstrom, Frances Hamerstrom (compiler), Gary Hampton, Elizabeth Kramer, Frank Renn, Samuel Robbins.

359. Beloit, Wis. (all points within a 15-mile diameter circle, center north end of Big Hill Park as last year).—Dec. 21; 7:30 a.m. to 4 p.m. Overcast; temp. 14° to 22°; wind E, 5-10 m.p.h.; 2-4-in. snow, creeks and river mostly ice-covered. Twenty-three observers in 7 parties. Total party-hours, 38 (13 on foot, 25 by car); total party-miles, 296 (26 on foot, 270 by car). ► Pied-billed Grebe, 1; Mallard, 64; Black Duck, 4; Canvasback, 11; Common Goldeneye, 1; Red-tailed Hawk, 8; Rough-legged Hawk, 2; Marsh Hawk, 5; Sparrow Hawk, 6; Ring-necked Pheasant, 5; Gray Partridge, 3; Am. Coot, 1; Mourning Dove, 93; Snowy Owl, 1; Barred Owl, 1; Long-eared Owl, 1; Short-eared Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 5; Red-bellied Woodpecker, 4; Red-headed Woodpecker, 21; Hairy Woodpecker, 7; Downy Woodpecker, 16; Horned Lark, 18; Blue Jay, 63; Common Crow, 272; Black-capped Chickadee, 85; Tufted Titmouse, 28; White-breasted Nuthatch, 25; Brown Creeper, 1; Winter Wren, 1; Cedar Waxwing, 16; Starling, 241; House Sparrow, 2200; Western Meadowlark, 20; Cardinal, 61; Purple Finch, 29; Am. Goldfinch, 1; Slate-colored Junco, 423; Tree Sparrow, 643; Chipping Sparrow, 1; Field Sparrow, 1; Harris' Sparrow, 1 [no details—Ed.]; White-crowned Sparrow, 35 [no details—Ed.]; White-throated Sparrow, 4; Song Sparrow, 2; Lapland Longspur, 30. **Total,** 47 species; about 4463 individuals. (Seen in area count period, but not on count day: Herring Gull, Great Horned Owl, Robin.)—Bernice Andrews, Mr. and Mrs. Robert Behrens, Charles Campbell, Charlotte Chamberlain, Roy Cole, Darrel Cox, Mrs. David Cox, David Cox (compiler), R. A. Dougan (Ned Hollister Bird Club).

360. Chippewa Falls, Wis. (all points within a 15-mile diameter circle, center same as last year; north end of Irvine Park, south through Chippewa Falls, along east bank of river to Dell's Pond, east to Big Falls, north to south border of Lake Wissota).—Dec. 28; 7 a.m. to 4:30 p.m. Cloudy; temp. 20° to 32°; wind W, 5-15 m.p.h. Five observers in 1 party. Total party-hours, 9½ (3 on foot, 6½ by car); total party-miles, 80 (4 on foot, 76 by car). ► Common Goldeneye, 128; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Ring-necked Pheasant, 2; Barred Owl, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 6; Downy Woodpecker, 10; Blue Jay, 85; Common Crow, 49; Black-capped Chickadee, 20; Tufted Titmouse, 4; White-breasted Nuthatch, 21; Robin, 1; Starling, 55; House Sparrow, 228; Cardinal, 10; Evening Grosbeak, 21; **Purple Finch, 12**; Am. Goldfinch, 2; Slate-colored Junco, 62; Tree Sparrow, 23. **Total,** 23 species; about 744 individuals. (Seen in area count period, but not on count day: Red-bellied Woodpecker, Bohemian Waxwing, Northern Shrike, Western Meadowlark, Redwinged Blackbird, Common Grackle.)—Charles A. Kemper (compiler), Cy Lamb, Elaine Miller, Ed Reifenauer, Neva Reifenauer.

361. Dancy, Wis. (all points within a 15-mile diameter circle, center at Dancy).—Dec. 20; 7 a.m. to 4 p.m.; temp. −5° to 12°; wind NW, 3-7 m.p.h. Nine observers in 2 parties. Total party-hours, 16 (4 on foot, 12 by car); total party-miles, 188 (6 on foot, 182 by car). ► Black Duck, 3; Redhead, 1; Lesser Scaup, 6; Common Goldeneye, 14; Hooded Merganser, 19; Ruffed Grouse, 3; Ring-necked Pheasant, 1; Mourning Dove, 2; Barred Owl, 1; Pileated Woodpecker, 1; Red-headed Woodpecker, 1; Hairy Woodpecker, 5; Blue Jay, 43; Common Crow, 13; Black-capped Chickadee, 24; Brown Creeper, 1; Golden-crowned Kinglet, 3; Starling, 57; House Sparrow, 387; Cardinal, 3; Pine Grosbeak, 16; Am. Goldfinch, 56; Tree Sparrow, 1; Field Sparrow, 8 [no details—Ed.]; Song Sparrow, 2. **Total,** 25 species; about 671 individuals.—David Aslakson, Donna Deering, James Fredrick, John Green, Don Helgerson (compiler), Marilyn Herrick, Chester Jensen, Anne Moersfelder, Willa Pacheco.

362. Hales Corners, Wis. (all points within a 15-mile diameter circle, center same as in 1955).—

Dec. 29; 7:30 a.m. to 4:30 p.m. Overcast; temp. 36° to 33°; wind W to N, 5-23 m.p.h.; Lake Michigan open, parts of river open, ground wet, 2-in. old snow. Six observers in 2 parties. Total party-hours, 15 (5 on foot, 10 by car); total party-miles, 180 (12 on foot, 168 by car). ► Mallard, 206; Black Duck, 39; Greater Scaup, 735; Lesser Scaup, 1; Common Goldeneye, 1678; Bufflehead, 628; Oldsquaw, 128; Ruddy Duck, 2; Hooded Merganser, 5; Common Merganser, 131; Red-breasted Merganser, 5; Cooper's Hawk, 2; Red-tailed Hawk, 2; Sparrow Hawk, 1; Ring-necked Pheasant, 7; Herring Gull, 2222; Ring-billed Gull, 512; Long-eared Owl, 10; Red-bellied Woodpecker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 12; Blue Jay, 5; Common Crow, **4530** (roost); Black-capped Chickadee, 29; Tufted Titmouse, 2; White-breasted Nuthatch, 11; Red-breasted Nuthatch, 1; Robin, 26; Golden-crowned Kinglet, 8; Cedar Waxwing, 6; Northern Shrike, 1; Starling, 925; House Sparrow, 445; Cardinal, 14; Purple Finch, 53; Am. Goldfinch, 5; Slate-colored Junco, 61; Tree Sparrow, 8; Song Sparrow, 2. **Total,** 39 species; about 12,461 individuals. (Seen in area count period, but not on count day: Rough-legged Hawk.)—Ivy Balsom, Mary Donald (compiler), Mr. and Mrs. Joe O'Hearn, Karl Priebe, Marian Urdan.

363. **Hiles, Wis.** (all points within a 15-mile diameter circle, center 5 miles northeast of Hiles in Nicolet National Forest; deciduous forest 25%, pine and hemlock forest 25%, spruce and cedar swamp 50%).—Dec. 31; 5:30 a.m. to 4 p.m. Clear; temp. 0° to 20°; wind W, 0-10 m.p.h.; 6-in. snow. One observer. Total hours, 10½; total miles, 47 (11 on foot, 36 by car). ► **Goshawk, 1** (excellent view); Ruffed Grouse, 1; Pileated Woodpecker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 13; Gray Jay, 8; Common Raven, 10; Black-capped Chickadee, 58; **Boreal Chickadee, 8**; Red-breasted Nuthatch, 17; Purple Finch, 38; Pine Grosbeak, 5; **Hoary Redpoll,** 4 (carefully identified); Common Redpoll, 40; Pine Siskin, 115; White-winged Crossbill, 58. **Total,** 16 species; about 379 individuals.—Roy H. Lound.

364. **Lake Geneva, Wis.** (all points within a 15-mile diameter circle, center at Williams Bay as last year; around entire lake, stopping at suitable localities for observations; towns and suburbs 35%, deciduous woods 25%, open water 30%, pasture 5%, cattails and spring-fed streams 5%).—Dec. 21; 7:15 a.m. to 4:15 p.m. Overcast; temp. 5° to 20°; wind N, 5 m.p.h.; 3-in. snow, west half of lake open. Six observers in 2 parties. Total party-hours, 18 (13 on foot, 5 by car); total party-miles, 82 (14 on foot, 68 by car). ► Pied-billed Grebe, 8; Mallard, 4; Black Duck, 15; Redhead, 1; Canvasback, 37; Lesser Scaup, 3; Common Goldeneye, 455; White-winged Scoter, 1; Common Merganser, 53; Red-breasted Merganser, 4; duck (sp.), 500; Red-tailed Hawk, 3; Red-shouldered Hawk, 1; Ring-necked Pheasant, 2; Am. Coot, 16; Common Snipe, 2; Herring Gull, 34; Ring-billed Gull, 9; Short-eared Owl, 2; Yellow-shafted Flicker, 1; Red-bellied Woodpecker, 6; Red-headed Woodpecker, 12; Downy Woodpecker, 11; Blue Jay, 35; Common Crow, 52; Black-capped Chickadee, 26; Tufted Titmouse, 2; White-breasted Nuthatch, 18; Brown Creeper, 3; Robin, 6; Golden-crowned Kinglet, 4; Starling, 17; House Sparrow, 50; Cardinal, 9; Evening Grosbeak, 2; Purple Finch, 1; Slate-colored Junco, 57; Tree Sparrow, 61. **Total,** 37 species; about 1523 individuals.—Earl Anderson, Karl Bartel, Margaret Lehmann, Clarence Palmquist (compiler), Ronald Palmquist, Paul Schulze.

365. **Madison, Wis.** (all points within a 15-mile diameter circle, center at State Capitol as in past; deciduous woods 40%, coniferous woods 15%, cattail swamps 5%, cultivated fields 35%, open water 5%).—Dec. 20; 5 a.m. to 4:30 p.m.; temp. 8° to 18°; wind NW, 5-15 m.p.h.; Yahara River open, lakes closed, 2-in. old snow. Thirty-nine observers in 16 parties. Total party-hours, 95 (75 on foot, 20 by car); total party-miles, 426 (65 on foot, 361 by car). ► Mallard, 830; Black Duck, 113; **Shoveler, 2** (1 each by widely separated parties); Canvasback, 2; **Greater Scaup, 1**; Lesser Scaup, 5; Common Goldeneye, 2; Common Merganser, 8; Sharp-shinned Hawk, 1; Cooper's Hawk, 4; Red-tailed Hawk, 38; Red-shouldered Hawk, 7; Rough-legged Hawk, 4; Sparrow Hawk, 6; Ring-necked Pheasant, 72; Am. Coot, 10; Common Snipe, 2; Herring Gull, 1; Mourning Dove, 169; Screech Owl, 3; Great Horned Owl, 4; Barred Owl, 4; Long-eared Owl, 6; Belted Kingfisher, 1; Yellow-shafted Flicker, 2; Red-bellied Woodpecker, 7; Red-headed Woodpecker, 1; Hairy Woodpecker, 17; Downy Woodpecker, 63; Horned Lark, 9; Blue Jay, 198; Common Crow, 404; Black-capped Chickadee, 267; Tufted Titmouse, 24; White-breasted Nuthatch, 107; Red-breasted Nuthatch, 6; Brown Creeper, 17; Robin, 9; Golden-crowned Kinglet, 43; Cedar Waxwing, 77; Northern Shrike, 2; Starling, 1352; House Sparrow, 2384; Eastern Meadowlark, 22; **Western Meadowlark, 2** (J. H., B. F.); Redwinged Blackbird, 5000; Rusty Blackbird, 3; Common Grackle, 3; Brown-headed Cowbird, 77; Cardinal, 121; Evening Grosbeak, 3; Purple Finch, 221; Pine Grosbeak, 4; Common Redpoll, 3; Pine Siskin, 18; Am. Goldfinch, 64; Slate-colored Junco, 395; Oregon Junco, 2; Tree Sparrow, 1238; Swamp Sparrow, 6; Song Sparrow, 9. **Total,** 61 species; about 13,475 individuals. (Seen in area count period, but not on count day: Snowy Owl, Saw-whet Owl, Pileated Woodpecker, Fox Sparrow.)—Thomas Ashman, Mr. and Mrs. N. R. Barger, Elaine Barger, Mr. and Mrs. Wayne Brown, J. J. Brenner, Robert Ellarson, Mr. and Mrs. Al Eynon, Bill Foster, Joe Hickey, William Hilsenhoff, Jack Kasper, Judson Kempton, Mrs. Dorothy Lacey, Mr. and Mrs. Roy Lound, Bob McCabe, Elizabeth Middleton, Thomas Nicholls, Donna Nelson, Howard Orians, Doris Platt, Eugene Roark, William Roark, Sam Robbins, Mr. and Mrs. Norris Sanders, Stephen Sanders, Mr. and Mrs. Fred Shepherd, Tom Soulen, Mrs. W. L. Stephens, E. E. Steffani, Emil Urben, J. G. Waddell, Mrs. R. A. Walker (compiler), Ray White.

366. **Mazomanie, Wis.** (all points within a 15-mile diameter circle, center 1½ miles SE of Witwen as in past 2 years; farms and open fields 35%, river

bank and wooded bottomlands 35%, upland woods 15%, marsh 10%, residential 5%).—Jan. 1; 6:15 a.m. to 4:30 p.m. Overcast, snowing; temp. 26° to 32°; wind SE, 0-5 m.p.h.; 2-in. snow, Wisconsin River and creeks partly open. Fourteen observers in 6 parties. Total party-hours, 35 (19 on foot, 16 by car); total party-miles, 286 (23 on foot, 263 by car). ► Mallard, 2; Common Goldeneye, 21; Common Merganser, 9; Sharp-shinned Hawk, 2; Cooper's Hawk, 2; Red-tailed Hawk, 20; Red-shouldered Hawk, 2; Bald Eagle, 4; Marsh Hawk, 3; Sparrow Hawk, 3; Ruffed Grouse, 1; Bobwhite, 39; Ring-necked Pheasant, 1; Common Snipe, 6; Mourning Dove, 250; Great Horned Owl, 7; Barred Owl, 3; Belted Kingfisher, 1; Yellow-shafted Flicker, **8**; Pileated Woodpecker, 9; Red-bellied Woodpecker, 36; Red-headed Woodpecker, 11; Hairy Woodpecker, 25; Downy Woodpecker, 36; Horned Lark, **164**; Blue Jay, 185; Common Crow, 40; Black-capped Chickadee, 132; Tufted Titmouse, **28**; White-breasted Nuthatch, 58; Red-breasted Nuthatch, 1; Brown Creeper, 2; Robin, 3; Golden-crowned Kinglet, 1; Cedar Waxwing, 57; Starling, 611; **Myrtle Warbler, 1** (N. B., R. L.); House Sparrow, 2180; Western Meadowlark, 1; Redwinged Blackbird, 6; Rusty Blackbird, 1; Cardinal, **173**; Evening Grosbeak, 9; Purple Finch, **780**; Common Redpoll, 11; Pine Siskin, 1; Am. Goldfinch, **1465**; Slate-colored Junco, 841; **Oregon Junco, 4** (3 parties); Tree Sparrow, 981; **Field Sparrow, 1** (S. R., T. N.); Lapland Longspur, 11; Snow Bunting, 1. **Total,** 53 species; about 8250 individuals.—Tom Ashman, Mr. and Mrs. N. R. Barger, Buddy Barger, Alan Keitt, Edna Koenig, Mr. and Mrs. Harold Kruse, Mr. and Mrs. Roy Lound, Tom Nichols, Sam Robbins (compiler), Josephine and Mary Walker.

367. Milwaukee, Wis. (all points within a 15-mile diameter circle, center same as in 1955).—Dec. 21; 6:45 a.m. to 4:30 p.m. Cloudy; temp. 5° to 20°; wind NW, 9-11 m.p.h.; Milwaukee harbor frozen, small openings in rivers. Seventeen observers in 8 parties. Total party-hours, 59 (35 on foot, 24 by car); total party-miles, 289 (38 on foot, 251 by car). ► Mallard, 4794; Black Duck, 251; Pintail, 1; Wood Duck, 1; Canvasback, 4; Greater Scaup, 132; Common Goldeneye, 652; Bufflehead, 125; Oldsquaw, 175; White-winged Scoter, 17; Common Merganser, 440; Red-breasted Merganser, 34; Cooper's Hawk, 4; Red-tailed Hawk, 4; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Sparrow Hawk, 3; Ring-necked Pheasant, 85; Gray Partridge, 2; Herring Gull, 416; Ring-billed Gull, 39; Mourning Dove, 39; Screech Owl, 1; Great Horned Owl, 1; Long-eared Owl, 6; Short-eared Owl, 1; Yellow-shafted Flicker, 1 (at feeder all month); Hairy Woodpecker, 5; Downy Woodpecker, 27; Blue Jay, 19; Common Crow, 341; Black-capped Chickadee, 69; Tufted Titmouse, 2; White-breasted Nuthatch, 21; Red-breasted Nuthatch, 6; Brown Creeper, 2; Robin, 39; Golden-crowned Kinglet, 7; **Bohemian Waxwing, 1**; Cedar Waxwing, 67; Northern Shrike, 2; Starling, 397; House Sparrow, 764; Cardinal, 41; Evening Grosbeak, 2; Purple Finch, 123; Am. Goldfinch, 26; Slate-colored Junco, 217; Oregon Junco, 3; Tree Sparrow, 210; White-throated Sparrow, 5; Swamp Sparrow, 1; Song Sparrow, 3. **Total,** 53 species; about 9630 individuals. (Seen in area count period, but not on count day: Red-headed Woodpecker, Redwinged Blackbird, Common Grackle.)—Marian Allen, Ivy Balsom, Mr. and Mrs. E. L. Bastian, Harold Bauers, Mrs. A. C. Bromm, Mary Donald (compiler), Mr. and Mrs. Carl Frister, Anna Hehn, Mrs. Lillian Logeman, Mr. and Mrs. Joe O'Hearn, Karl Priebe, Mrs. Amelia Simmons, Marian Urdan.

368. Nelson, Wis. (all points within a 15-mile diameter circle, center Nelson, including bottomlands along Chippewa River south of Durand to the Mississippi, palisade and coulee area from Nelson to Alma and northward; wooded bottomlands and marshes 25%, ravines and bluffs 25%, cultivated farmland 20%, roadside thickets and brush 15%, farm yards 15%).—Jan. 1; 7:30 a.m. to 4:30 p.m. Snowing; temp. 18° to 26°; wind 0-5 m.p.h. Four observers in 2 parties. Total party-hours, 9 (4 on foot, 5 by car); total party-miles, 50 (5 on foot, 45 by car). ► Common Goldeneye, 14; Red-tailed Hawk, 2; Ruffed Grouse, 2; **Am. Coot, 2**; Barred Owl, 1; Red-bellied Woodpecker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 14; Blue Jay, 51; Common Crow, 6; Black-capped Chickadee, 44; White-breasted Nuthatch, 14; Robin, 1; Northern Shrike, 2; Starling, 52; House Sparrow, 1039; Cardinal, 69; Common Redpoll, 1; Am. Goldfinch, 325; Slate-colored Junco, **364**; Tree Sparrow, 166. **Total,** 21 species; about 2174 individuals.—Charles A. Kemper (compiler), Elaine Miller, Ed Reifenauer, Neva Reifenauer.

369. Racine, Wis. (all points within a 15-mile diameter circle, center North Shore Station in Racine as last year).—Dec. 27; 8 a.m. to 5 p.m.; temp. 28° to 33°; Root River open at harbor, ice-covered upstream. Sixteen observers in 8 parties. Total party-hours, 49; total party-miles, 269 (23 on foot, 246 by car). ► Mallard, 277; Black Duck, 134; Am. Widgeon, 2; Shoveler, 1; Greater Scaup, 71; Common Goldeneye, 674; Bufflehead, 1; Oldsquaw, 223; Common Merganser, 486; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 9; Ring-necked Pheasant, 69; Herring Gull, 630; Ring-billed Gull, 1; Mourning Dove, 16; Long-eared Owl, 4; Yellow-shafted Flicker, 2; Red-bellied Woodpecker, 4; Red-headed Woodpecker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 17; Blue Jay, 13; Common Crow, 148; Black-capped Chickadee, 19; Tufted Titmouse, 3; White-breasted Nuthatch, 10; Red-breasted Nuthatch, 1; Robin, 4; Golden-crowned Kinglet, 2; **Ruby-crowned Kinglet, 3** (L. D.); Cedar Waxwing, 8; Starling, 613; House Sparrow, 832; Eastern Meadowlark, 5; Redwinged Blackbird, 2; Common Grackle, 3; Cardinal, 19; Purple Finch, 5; Am. Goldfinch, 10; Slate-colored Junco, 195; Tree Sparrow, 39; Song Sparrow, 3. **Total,** 45 species; about 4566 individuals.—Ann Carlson, Laura DuFour, Mrs. James D. Healy, Dorothy Joslyn, Joy Joslyn, Mrs. Frank Kramik, Mrs. Walter A. Peirce, Edward Prins, George Prins, Mrs.

Burton Rowley, John Saetveit, Mrs. Arthur Schacht, E. R. Smale, Mrs. E. R. Smale, B. L. von Jarchow, Mary-Elizabeth Whelan (compiler).

370. Rhinelander, Wis. (all points within a 15-mile diameter circle, center in section 27, Newbold Township; open farmland 20%, coniferous and deciduous forests 60%, city 20%).—Jan. 1; 8:30 a.m. to 4:30 p.m. Overcast, snow p.m.; temp. 9° to 24°; wind E, 0-5 m.p.h.; 6-in. snow on ground. Five observers in 1 party. Total party-hours, 8 (1 on foot, 7 by car); total party-miles, 60 (1 on foot, 59 by car). ► Common Merganser, 4; Ruffed Grouse, 1; Hairy Woodpecker, 1; Blue Jay, 5; Black-capped Chickadee, 23; White-breasted Nuthatch, 3; Northern Shrike, 2; Starling, 47; House Sparrow, 64; Evening Grosbeak, 42; Purple Finch, 53; Common Redpoll, 12. **Total,** 12 species; about 257 individuals. (Seen in area count period, but not on count day: Common Raven.)—Freda Brunner, Werner Brunner, Lois Dahlstrand, Nils P. Dahlstrand (compiler), Paul Dahlstrand.

371. Seneca, Wis. (all points within a 15-mile diameter circle, center same as last year).—Dec. 28; 7:30 a.m. to 4:30 p.m. Overcast, clearing p.m.; temp. 28° to 44°; wind S, 0-10 m.p.h.; ground partly covered with 2-in. snow, river and streams partly frozen. One observer. Total hours, 8; total miles, 43 (8 on foot, 35 by car). ► Red-tailed Hawk, 1; Ruffed Grouse, 1; Pileated Woodpecker, 2; Red-bellied Woodpecker, 1; Red-headed Woodpecker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 1; Blue Jay, 4; Common Crow, 11; Black-capped Chickadee, 4; White-breasted Nuthatch, 6; Cedar Waxwing, 1; Starling, 57; House Sparrow, 23; Cardinal, 5; Purple Finch, 2; Am. Goldfinch, 2; Slate-colored Junco, 19; Tree Sparrow, 75. **Total,** 19 species; about 217 individuals.—Clarence Paulson.

372. Waukesha, Wis. (all points within a 15-mile diameter circle, center Waukesha; southwest to Kettle Moraine State Forest, along Fox River valley to Mukwonago marsh, to Saylesville, south to Mukwonago, north to south shore of Pewaukee Lake, west to Dousman; open farmlands 45%, deciduous farm woodlots 36%, tamarack swamp 4%, grassy marsh 14%, parks ½%, coniferous plantings ½%; 7 feeding stations).—Dec. 21; 7 a.m. to 5 p.m. Cloudy; temp. 5° to 15°; wind NE, 10 m.p.h.; little open water, 2-in. snow on ground. Twenty-one observers in 8 parties. Total party-hours, 70 (33 on foot, 37 by car); total party-miles, 504 (55 on foot, 449 by car). ► Mallard, 10; Black Duck, 23; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 29; Red-shouldered Hawk, 3; Rough-legged Hawk, 4; Sparrow Hawk, 4; Ring-necked Pheasant, 22; Gray Partridge, 25; Mourning Dove, 11; Great Horned Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Red-bellied Woodpecker, 4; Red-headed Woodpecker, 6; Hairy Woodpecker, 32; Downy Woodpecker, 62; Blue Jay, 117; Common Crow, 2960; Black-capped Chickadee, 126; Tufted Titmouse, 7; White-breasted Nuthatch, 68; Red-breasted Nuthatch, 1; Robin, 3; Golden-crowned Kinglet, 2; Northern Shrike, 3; Starling, 1402; House Sparrow, 2654; Eastern Meadowlark, 10; Redwinged Blackbird, 2; Common Grackle, 2; Brown-headed Cowbird, 3; Cardinal, 68; Evening Grosbeak, 9; Purple Finch, 220; Am. Goldfinch, 83; Vesper Sparrow, 1 [no details—Ed.]; Slate-colored Junco, 1608; Oregon Junco, 13; Tree Sparrow, 2927; Field Sparrow, 1; Swamp Sparrow, 4; Song Sparrow, 2; Snow Bunting, 152. **Total,** 45 species; about 12,689 individulas.—Robert Adams (compiler), Clarence Anthes, Les Compton, Olive Compton, Roger Gerstner, Paul Hoffman, Emma Hoffman, Leonard A. Larsen, Charles Nelson, Jr., Mary Nelson, E. R. Rutenber, Mary Rutenber, Ernest Zimmerman, Verna Zimmerman.

373. Wisconsin Dells, Wis. (all points within a 15-mile diameter circle, center 1½ miles east of Plainville as in past 3 years).—Dec. 24; 6 a.m. to 4:15 p.m. Clear a.m., cloudy p.m.; temp. 8° to 18°; wind W, 0-5 m.p.h.; 1-in. old snow, creeks mostly open, river mostly frozen. Three observers in 2 parties. Total party-hours, 13 (6 on foot, 7 by car); total party-miles, 96 (4 on foot, 92 by car). ► Mallard, 11; Common Goldeneye, 45; Red-tailed Hawk, 7; Bald Eagle, 1; Marsh Hawk, 1; Ruffed Grouse, 6; Bobwhite, 43; Ring-necked Pheasant, 7; Mourning Dove, 74; Screech Owl, 1; Great Horned Owl, 9; Barred Owl, 2; Belted Kingfisher, 4; Pileated Woodpecker, 2; Red-bellied Woodpecker, 12; Red-headed Woodpecker, 10; Hairy Woodpecker, 14; Downy Woodpecker, 22; Blue Jay, 130; Common Crow, 74; Black-capped Chickadee, 39; Tufted Titmouse, 8; White-breasted Nuthatch, 59; Red-breasted Nuthatch, 5; Brown Creeper, 1; Robin, 1; Golden-crowned Kinglet, 1; Starling, 174; House Sparrow, 410; Cardinal, 31; Evening Grosbeak, 2; Purple Finch, 35; Am. Goldfinch, 390; Slate-colored Junco, 259; **Oregon Junco, 1** (S. R.); Tree Sparrow, 188. **Total,** 36 species; about 2079 individuals. (Seen in area count period, but not on count day: Ring-billed Gull.)—N. R. Barger, Bernard Klugow, Sam Robbins (compiler).

374. Afton, Minn. (all points within a 15-mile diameter circle, center Afton, making semicircle on west side of St. Croix River; open farmland 70%, deciduous wooded river banks, hills and valleys 30%).—Dec. 20; 7:45 a.m. to 4:30 p.m. Overcast; temp. 0° to 14°; wind SSW, 5-11 m.p.h.; little snow, St. Croix River frozen. Ten observers in 7 parties. Total party-hours, 30 (24 on foot, 6 by car); total party-miles, 65 (12 on foot, 53 by car). ► Bald Eagle, 1; Sparrow Hawk, 1; Ruffed Grouse, 15; Ring-necked Pheasant, 10; Mourning Dove, 20; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Pileated Woodpecker, 1; Red-bellied Woodpecker, 7; Red-headed Woodpecker, 4; Hairy Woodpecker, 27; Downy Woodpecker, 62; Blue Jay, 63; Common Crow, 17; Black-capped Chickadee, 196; Tufted Titmouse, 8; White-breasted Nuthatch, 60; Red-breasted Nuthatch, 5; Brown Creeper, 1; Robin, 1; Golden-crowned Kinglet, 3; Starling, 170; House Sparrow, 71; Cardinal, 52; Purple Finch, 62; Am. Goldfinch, 2; Slate-colored Junco, 244; Tree Sparrow, 123. **Total,** 28 species;

about 1228 individuals. (Seen in area count period, but not on count day: Red-tailed Hawk, Cedar Waxwing, **Oregon Junco**.)—Mrs. Coy Asp, Ruth Carey, Oliver Charley, Mrs. Fremont Jewell, Mr. and Mrs. Boyd M. Lien (compilers), Min Paro, Mrs. Ralph Paulson, Mr. and Mrs. Emil Spreeman.

375. **Cedar Creek Bog, Minn.** (all points within a 15-mile diameter circle, center in Cedar Creek Game Refuge as last year).—Dec. 27; 9 a.m. to 5 p.m. Overcast; temp. 26° to 32°; calm. Eleven observers in 2 parties. Total party-hours, 10 (8 on foot, 2 by car); total party-miles, 10 (7 on foot, 3 by car). ► Ruffed Grouse, 22; Barred Owl, 1; Hairy Woodpecker, 2; Downy Woodpecker, 1; Blue Jay, 2; Common Crow, 8; Black-capped Chickadee, 16; Brown Creeper, 1; Bohemian Waxwing, 30; Northern Shrike, 1; Starling, 11; Common Redpoll, 70; Tree Sparrow, 2. **Total,** 13 species; about 167 individuals.—W. J. Breckenridge, Robert B. Janssen (compiler).

376. **Duluth, Minn.** (all points within a 15-mile diameter circle, center at Lake Avenue and Superior St. as last year; town suburbs 15%, parks and highways 75%, city dump 5%, feeding stations 5%).—Dec. 28; 6:30 a.m. to 5:15 p.m. Heavy overcast; temp. 27° to 36°; calm. Nine observers in 8 parties. Total party-hours, 37 (23 on foot, 14 by car); total party-miles, 193 (25 on foot, 168 by car). ► **Horned Grebe, 2**; Lesser Scaup, 25; Common Goldeneye, 115; Bufflehead, 1; Common Merganser, 6; Bald Eagle, 1; Ruffed Grouse, 7; **Sharp-tailed Grouse, 1**; Ring-necked Pheasant, 4; Glaucous Gull, 5; **Iceland Gull, 1** (carefully identified); Herring Gull, 700; Ring-billed Gull, 53; Great Horned Owl, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 8; Downy Woodpecker, 38; Gray Jay, 1; Blue Jay, 9; Common Raven, 25; Common Crow, 1; Black-capped Chickadee, 91; **Tufted Titmouse, 3** (present since early Nov.); White-breasted Nuthatch, 9; Red-breasted Nuthatch, 28; **Brown Thrasher, 1** (at feeder since Oct.); Robin, 2; Bohemian Waxwing, **200+**; Northern Shrike, 4; Starling, 324; House Sparrow, 45; **Redwinged Blackbird, 1**; **Cardinal, 1**; Evening Grosbeak, 102; Purple Finch, 2; Pine Grosbeak, 59; Common Redpoll, 2; Pine Siskin, 6; Slate-colored Junco, 1. **Total,** 39 species; about 1886 individuals. (Seen in area count period, but not on count day: **Great Black-backed Gull,** Snowy Owl, Brown Creeper, Red Crossbill.)—Stanley Anderson, J. K. Bronoel, Margaret Brown, Miriam Carlstedt, Henry Gilbert, John G. Hale, Steven Hedman, P. B. Hofslund, Gary C. Kuyava (compiler).

377. **Excelsior, Minn.** (all points within a 15-mile diameter circle, center Chanhassen, including areas about Lake Minnetonka, Glen Lake, Christmas Lake, Shakopee; pasture and open fields 40%, deciduous woodland and planted evergreens 30%, frozen rivers, lakes, marshland 30%).—Dec. 27; 8 a.m. to 4 p.m. Cloudy; temp. 22° to 32°; wind SW, 6 m.p.h.; old snow in woods. Twenty observers in 9 parties. Total party-hours, 74 (29 on foot, 45 by car); total party-miles, 420 (46 on foot, 374 by car). ► Mallard, 1; Red-tailed Hawk, 6; **Harlan's Hawk, 1** (carefully identified); **Red-shouldered Hawk, 3**; Rough-legged Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 3; Ring-necked Pheasant, 59; Mourning Dove, 6; Great Horned Owl, 7; Barred Owl, 1; Long-eared Owl, 2; Pileated Woodpecker, 7; Red-bellied Woodpecker, 15; Hairy Woodpecker, 39; Downy Woodpecker, 62; Blue Jay, 96; Common Crow, 33; Black-capped Chickadee, 278; Tufted Titmouse, 7; White-breasted Nuthatch, 129; Brown Creeper, 10; Robin, 2; Golden-crowned Kinglet, 37; Bohemian Waxwing, 6; Cedar Waxwing, 82; Northern Shrike, 2; Starling, 631; House Sparrow, 2426+; Redwinged Blackbird, **1200**; Common Grackle, 1; Cardinal, 66; Evening Grosbeak, 3; Purple Finch, 36; Common Redpoll, 22; Pine Siskin, 23; Am. Goldfinch, 242; Slate-colored Junco, 353; Oregon Junco, 2; Tree Sparrow, 495; White-throated Sparrow, 1; Song Sparrow, 2. **Total,** 42 species; about 6399 individuals. (Seen in area count period, but not on count day: Yellow-shafted Flicker.)—Lester Badger, Don Bice, Evelyn Bruce, Mr. and Mrs. Whitney Eastman, Arnold Erickson, Mr. and Mrs. M. E. Herz, Mary Lupient, Mr. and Mrs. Henry Pratt, John Pratt, Walter Pratt, Dana Struthers, Ward D. Tanner, Br. Theodore, Mr. and Mrs. Philip D. Tryon (compilers), Ray Walker, James Wilkie.

378. **Hibbing, Minn.** (all points within a 15-mile diameter circle, center Hibbing; streets 5%, lake shorelines 5%, open farmland 10%, balsam-tamarack bog 20%, pine forest 40%, poplar-birch forest 20%).—Dec. 21; 8 a.m to 4 p.m.; temp. -30° to -1°; wind NW, 5-10 m.p.h. Fifteen observers in 3 parties. Total party-hours, 22 (4 on foot, 18 by car); total party-miles, 108 (10 on foot, 98 by car). ► Ruffed Grouse, 12; Sharp-tailed Grouse, 3; Snowy Owl, 1; Hairy Woodpecker, 1; Downy Woodpecker, 3; Gray Jay, 4; Blue Jay, 12; Common Raven, 7; Black-capped Chickadee, 39; Boreal Chickadee, 1; White-breasted Nuthatch, 3; Brown Creeper, 1; Starling, 68; House Sparrow, 30; Pine Grosbeak, 3; Snow Bunting, 95. **Total,** 16 species; about 283 individuals. (Seen in area count period, but not on count day: Long-eared Owl, White-winged Crossbill.)—LeeAnn LaTendresse, Mrs. Oscar McCracken, Catherine Micensky, Joanne Micensky, Mr. and Mrs. John Micensky, Mrs. Ray Naddy, Ray Naddy (compiler), Floyd Parker, John Parker, Mary Parker, Frank Pingatore, Karen Pingatore (Little Swan 4-H Club).

379. **Lakeland Community, Minn.** (all points within a 15-mile diameter circle, center in Sec. 2-R57-T16 in St. Louis County, including around Cedar Island, and Eshquaquma, Lost, Trappers and Bass Lakes; pine forest 50%, mixed woodlands 25%, shoreline 10%, open farmland 10%, tamarack swamp 5%).—Dec. 29; 8:30 a.m. to 4:30 p.m. Clear; temp. -5° to 10°; wind NW, 5 m.p.h.; 2-ft. snow, water areas frozen. Eight observers in 1 party. Total party-hours, 8; total party-miles, 28 (3 on foot, 25 by car). ► Ruffed Grouse, 2; Hairy Woodpecker, 2; Downy Woodpecker, 2; Gray Jay, 2; Blue Jay, 3; Common Raven, 1; Black-capped Chickadee, 43; Red-breasted Nuthatch, 3; Pine Grosbeak, 2. **Total,** 9 species; about 60 individuals. (Seen in area count period, but not on count day: Pileated Woodpecker, Pine Siskin,

Snow Bunting.)—Harold J. Aase (compiler for Lakeland Junior 4-H Club).

380. Minneapolis (north), Minn. (all points within a 15-mile diameter circle, center Coon Creek Dam; from Camden Park to Anoka, both sides of Mississippi River; open farmland 40%, town suburbs 44%, deciduous farm woodlots 12%, deciduous river banks and valleys 2%, marshes and sloughs 2%).—Dec. 27; 8 a.m. to 4:30 p.m. Overcast; temp. 26° to 33°; wind WNW, 8 m.p.h.; little snow, Mississippi River open below Coon Creek Dam. Fifteen observers in 6 parties. Total party-hours, 29 (6 on foot, 23 by car); total party-miles, 328 (11 on foot, 317 by car). ► Mallard, 2; Common Goldeneye, 240; Sharp-shinned Hawk, 1; Sparrow Hawk, 6; Ring-necked Pheasant, 27; Herring Gull, 4; Red-bellied Woodpecker, 3; Hairy Woodpecker, 6; Downy Woodpecker, 7; Blue Jay, 11; Common Crow, 39; Black-capped Chickadee, 57; White-breasted Nuthatch, 24; Golden-crowned Kinglet, 5; Bohemian Waxwing, **185** (seen by all participants); Starling, 299; House Sparrow, 614; Cardinal, 4; Am. Goldfinch, 63; Slate-colored Junco, 58; Tree Sparrow, 61. **Total,** 21 species; about 1716 individuals.—Mr. and Mrs. Clifford Cook, Mr. and Mrs. Fred Cruzen, Esther Jerabek, O. V. Johnson, Frances Korista, Paul LaPlant, Ralph LaPlant, Mr. and Mrs. Boyd M. Lien (compilers), Mr. and Mrs. Melvin Stenrud, Charles Wright, Kristin Wright (Minneapolis Bird Club).

381. Minneapolis (west), Minn. (all points within a 15-mile diameter circle, center on Minneapolis Golf Course; extending to junction of Hwys. 55 and 101, Robbinsdale, Edina, Hopkins, and including Theodore Wirth Park and Roberts Bird Sanctuary; town suburbs 47%, open farmland 24%, deciduous woodlots 16%, lakes, marshes, creeks 8%, city parks and golf courses 5%).—Dec. 27; 8 a.m. to 4:30 p.m. Cloudy; temp. 25° to 33°; wind W, 9 m.p.h.; ground bare except sheltered areas, portions of Mississippi River, Bassett's Creek and Lake Calhoun open. Eight observers in 4 parties. Total party-hours, 23 (8 on foot, 15 by car); total party-miles, 190 (13 on foot, 177 by car). ► Mallard, 397; Black Duck, 13; Common Goldeneye, 17; Bufflehead, 1; Cooper's Hawk, 1; Sparrow Hawk, 4; Ring-necked Pheasant, 102; Great Horned Owl, 3; Long-eared Owl, 1; Pileated Woodpecker, 4; Red-bellied Woodpecker, 1; Hairy Woodpecker, 9; Downy Woodpecker, 14; Blue Jay, 17; Common Crow, 46; Black-capped Chickadee, 144; Tufted Titmouse, 2; White-breasted Nuthatch, 56; Red-breasted Nuthatch, 3; Brown Creeper, 9; Golden-crowned Kinglet, 34; Northern Shrike, 2; Starling, 159; House Sparrow, 1057; Cardinal, 9; Purple Finch, 22; Pine Siskin, 25; Am. Goldfinch, 48; Slate-colored Junco, 95; Tree Sparrow, 121. **Total,** 30 species; about 2416 individuals. (Seen in area count period, but not on count day: Robin.)—G. F. Fisher, J. S. Futcher (compiler), Ray Glassel, Burton Guttman, Harding Huber, Norrie Jones, W. R. Pieper (Avifaunal Club).

382. Northeastern Suburban St. Paul, Minn. (all points within a 15-mile diameter circle, center at junction of Route 96 and Washington City Route 22, west to Centerville Road, east to St. Croix River, south to Route 212 and Route 100 to Bayport; deciduous woods 30%, lakes and marshes 20%, river valleys 4%, open fields and farmlands 45%, evergreen stands 1%).—Dec. 27; 7:45 a.m. to 4 p.m. Cloudy; temp. 26° to 40°; wind WNW, 10-15 m.p.h.; 1-in. snow on ground. Fifteen observers in 6 parties. Total party-hours, 38 (20 on foot, 18 by car); total party-miles, 258 (29 on foot, 229 by car). ► Canada Goose, 12; Greater Scaup, 2; Red-tailed Hawk, 1; Ring-necked Pheasant, 33; Common Snipe, 3; Pileated Woodpecker, 2; Red-bellied Woodpecker, 2; Hairy Woodpecker, 6; Downy Woodpecker, 9; Blue Jay, 24; Common Crow, 101; Black-capped Chickadee, 71; White-breasted Nuthatch, 13; Brown Creeper, 2; Bohemian Waxwing, **162**; Northern Shrike, 1; Starling, 66; House Sparrow, 279; Eastern Meadowlark, 2; Redwinged Blackbird, 23; Rusty Blackbird, 41; Cardinal, 2; Slate-colored Junco, 25; Tree Sparrow, 33. **Total,** 24 species; about 915 individuals. (Seen in area count period, but not on count day: Golden-crowned Kinglet, Am. Goldfinch.)—C. Robert Binger, Mary Crombie, John Fitzpatrick, Persis Fitzpatrick, Billy Gipple, Dale Haswell, Florence Page Jaques, Francis Lee Jaques, John Kennedy, Lucretia Kennedy, Virginia McClanahan, Jane C. Olyphant, Murray Olyphant, Jr. (compiler), Billy Young, Cara Young.

383. Northfield, Minn. (all points within a 15-mile diameter circle, center same as last year).—Dec. 27; 7:45 a.m. to 4.30 p.m. Clear; temp. 26° to 34°; wind W, 5-10 m.p.h.; little snowcover, Cannon River open, other water frozen. Two observers in 1 party. Total party-hours, 8½ (5½ on foot, 3 by car); total party-miles, 35 (5 on foot, 30 by car). ► Mallard, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 3; Screech Owl, 1; Great Horned Owl, 3; Barred Owl, 3; Long-eared Owl, 1; Red-bellied Woodpecker, 5; Hairy Woodpecker, 2; Downy Woodpecker, 4; Horned Lark, 2; Blue Jay, 35; Common Crow, 4; Black-capped Chickadee, 40; Tufted Titmouse, 3; White-breasted Nuthatch, 15; Starling, 50; House Sparrow, 50; Cardinal, 20; Am. Goldfinch, 10; Slate-colored Junco, 100; **Oregon Junco,** 1; Tree Sparrow, 100; Song Sparrow, 1. **Total,** 24 species; about 455 individuals.—George Palmer, Orwin A. Rustad (compiler).

384. St. Paul (north), Minn. (all points within a 15-mile diameter circle, center Round Lake near Little Canada as in 1957; pine forest 35%, spruce-balsam 10%, tamarack 5%, open fields 10%, deciduous woods 20%, farm woodlots 10%, marshes 10%).—Dec. 27; 7:45 a.m. to 4:45 p.m. Cloudy; temp. 27° to 33°; wind W, 5-8 m.p.h.; 1-2-in. snow in woods, lakes mostly ice-bound. Seven observers in 2-3 parties. Total party-hours, 25 (19 on foot, 6 by car); total party-miles, 40 (16 on foot, 24 by car). ► Common Goldeneye, 180; Goshawk, 1; Red-tailed Hawk, 1; **Broad-winged Hawk, 2** [no details—Ed.]; Sparrow Hawk, 1; Ring-necked Pheasant, 5; Barred Owl, 1; Pileated Woodpecker, 2; Hairy Woodpecker, 7; Downy Woodpecker, 9; Blue Jay, 12; Common

Crow, 125; Black-capped Chickadee, 90; Tufted Titmouse, 5; White-breasted Nuthatch, 12; Brown Creeper, 1; Golden-crowned Kinglet, 2; Northern Shrike, 2; Starling, 100; House Sparrow, 150; Red-winged Blackbird, **200**; **Brewer's Blackbird, 3**; Cardinal, 10; Evening Grosbeak, 20; Purple Finch, 6; Common Redpoll, 15; Am. Goldfinch, 4; Slate-colored Junco, 65; Tree Sparrow, 5; Lapland Longspur, 2. **Total,** 30 species; about 1038 individuals. (Seen in area count period, but not on count day: Rough-legged Hawk, Rufous-sided Towhee.)—Melba Dahms, Frank Kelley, Brother Martin, Brother Pius, A. C. Rosenwinkel (compiler), R. Sullivan, Mrs. R. Sullivan.

385. Walker, Minn. (all points within a 15-mile diameter circle, center highway intersection 5 miles south of Walker as in former years).—Dec. 28; 8 a.m. to 4 p.m. Cloudy, heavy hoarfrost; temp. 16° to 24°; wind NW, 5 m.p.h.; 4-5-in. snow, lakes frozen, few streams open. Two observers in 1 party. Total party-hours, 8 (3 on foot, 5 by car); total party-miles, 45 (3 on foot, 42 by car). ► Ruffed Grouse, 5; Pileated Woodpecker, 1; Hairy Woodpecker, 9; Downy Woodpecker, 5; Gray Jay, 1; Blue Jay, 23; Black-capped Chickadee, 55; **Tufted Titmouse, 1**; White-breasted Nuthatch, 14; Brown Creeper, 1; Robin, 1; Golden-crowned Kinglet, 3; Bohemian Waxwing, 4; Northern Shrike, 2; Starling, 12; House Sparrow, 75; Evening Grosbeak, 165; Pine Grosbeak, 15; Common Redpoll, 32; Slate-colored Junco, 2; Snow Bunting, 65. **Total,** 21 species; about 491 individuals. (Seen in area count period, but not on count day: Bald Eagle, Am. Magpie, Tree Sparrow.)—Harold R. Hanson (compiler), Stanton Oman.

386. Whitewater State Park and Game Refuge, Minn. (all points within a 15-mile diameter circle, center at Refuge Headquarters; same area as last year plus pines at north edge of park, Highway 74 through refuge to Appleby Springs, trash pit at Altura, Fish Hatchery; oak woodland 70%, brushland 20%, crops and pasture 10%).—Dec. 27; 7 a.m. to 4 p.m.; temp. 26° to 44°; wind S, 5-0 m.p.h.; ground partly snow-covered, Whitewater River open. Six observers in 1 party. Total party-hours, 9 (1 on foot, 8 by car); total party-miles, 98 (30 on foot, 68 by car). ► Mallard, 15; Red-tailed Hawk, 4; Red-shouldered Hawk, 1; Bald Eagle, 1; Sparrow Hawk, 1; Ruffed Grouse, 8; Ring-necked Pheasant, 8; Killdeer, 4; Common Snipe, 1; Great Horned Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 2; Pileated Woodpecker, 2; Red-bellied Woodpecker, 2; Hairy Woodpecker, 8; Downy Woodpecker, 5; Blue Jay, 30; Common Crow, 111; Black-capped Chickadee, 18; White-breasted Nuthatch, 15; Brown Creeper, 2; **Carolina Wren, 1** (5 observers); Starling, 129; House Sparrow, 35; Common Grackle, 3; Cardinal, 35; Purple Finch, 8; Am. Goldfinch, 8; Slate-colored Junco, 24; Tree Sparrow, 33. **Total,** 30 species; about 518 individuals.—Kendall Corbin, Jr., William Longley, Don Orke, Mrs. Frank Pendle, Gary Sell, Forest V. Strnad (compiler).

387. Cedar Falls, Iowa (all points within a 15-mile diameter circle, center at Cedar Falls, to include Snag Creek, Black Hawk Park, Union Bridge, Wyth Park, Hartman Reserve; riverbottom forest 60%, upland forest 5%, savannah 10%, fields and prairies 25%).—Dec. 20; 7:30 a.m. to 4:30 p.m. Clear; temp. 10° to 22°; wind S, 0-5 m.p.h.; 2-in. snow on ground, ponds frozen, rivers 10% open. Nine observers in 2 parties. Total party-hours, 15 (12 on foot, 3 by car); total party-miles, 110 (20 on foot, 90 by car). ► Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 4; Red-shouldered Hawk, 2; Rough-legged Hawk, 2; Ring-necked Pheasant, 12; **Killdeer, 1** (5 observers); Great Horned Owl, 2; Barred Owl, 4; **Saw-whet Owl, 1**; Belted Kingfisher, 1; Yellow-shafted Flicker, 2; Pileated Woodpecker, 1; Red-bellied Woodpecker, 9; Red-headed Woodpecker, 1; Hairy Woodpecker, 6; Downy Woodpecker, 34; Horned Lark, 1; Blue Jay, 24; Common Crow, 152; Black-capped Chickadee, 137; Tufted Titmouse, 17; White-breasted Nuthatch, 60; Brown Creeper, 10; Golden-crowned Kinglet, 2; Cedar Waxwing, 2; Starling, 435; House Sparrow, 625; Redwinged Blackbird, 1; Common Grackle, 1; Cardinal, 36; Am. Goldfinch, 84; **Rufous-sided Towhee, 1** (visiting feeder 3 weeks); Slate-colored Junco, 132; Tree Sparrow, 262; Harris' Sparrow, 1; White-throated Sparrow, 1; Song Sparrow, 2. **Total,** 38 species; about 2071 individuals. (Seen in area count period, but not on count day: Purple Finch.)—Eleanor Eifert, Martin L. Grant (compiler), Russell Hays, Beulah Rugg, Mrs. Charles Schwanke, Maxine Schwanke, Florence Spring, George Swanson, Ben Thoma.

388. Clinton, Iowa (all points within a 15-mile diameter circle, center Elk River Junction as last year).—Dec. 20; 7:30 a.m. to 5:15 p.m. Overcast with snow flurries, clearing p.m.; temp. 17° to 22°; wind W, 4-15 m.p.h.; river 98% frozen, 4-20-in. old snow. Six observers in 3 parties. Total party-hours, 22 (5 on foot, 17 by car); total party-miles, 283 (5 on foot, 278 by car). ► Mallard, 2500; Black Duck, 100; Pintail, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 27; Red-shouldered Hawk, 3; Rough-legged Hawk, 8; Bald Eagle, 3; Marsh Hawk, 2; Sparrow Hawk, 4; Bobwhite, 15; Ring-necked Pheasant, 21; Mourning Dove, 40; Great Horned Owl, 1; Barred Owl, 1; Long-eared Owl, 3; Yellow-shafted Flicker, 3; Red-bellied Woodpecker, 10; Red-headed Woodpecker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 29; Horned Lark, 2; Blue Jay, 63; Common Crow, 112; Black-capped Chickadee, 92; Tufted Titmouse, 19; White-breasted Nuthatch, 13; Red-breasted Nuthatch, 1; Brown Creeper, 2; Winter Wren, 1; Robin, 1; Eastern Bluebird, 1; Golden-crowned Kinglet, 11; Cedar Waxwing, 5; **Loggerhead Shrike, 1** (E. F., J. L.); Starling, 635; House Sparrow, 877; Eastern Meadowlark, 1; Western Meadowlark, 4; meadowlark (sp.), 93; Redwinged Blackbird, 3; Cardinal, 185; Purple Finch, 20; Pine Siskin, 1; Am. Goldfinch, 139; Red Crossbill, 9; **White-winged Crossbill, 2** (L. B.); Slate-colored Junco, 570; **Oregon Junco, 1** (J. L.); Tree Sparrow, 952; Field Sparrow, 2; Fox Sparrow, 2; Swamp Sparrow, 1; Song Sparrow, 26. **Total,** 54 species; about 6625 individuals.—Jolene Anderson, Lewis

Blevins, Elton Fawkes, Fred Lesher, James Lewis, Peter C. Petersen, Jr. (compiler).

389. Davenport, Iowa (all points within a 15-mile diameter circle, center Memorial Bridge as last year).—Dec. 28; 5:30 a.m. to 5:30 p.m. Clear a.m., cloudy p.m.; temp. 31° to 54°; wind S, 5-10 m.p.h.; some old drifts, river ½ frozen. Forty-one observers in 28 parties. Total party-hours, 151 (55 on foot, 72 by car, misc. 24); total party-miles, 674 (88 on foot, 586 by car). ► Great Blue Heron, 1; Mallard, 120; Black Duck, 11; Pintail, 2; Canvasback, 2; Lesser Scaup, 17; Common Goldeneye, 637; Common Merganser, 747; Sharp-shinned Hawk, 2; Cooper's Hawk, 5; Red-tailed Hawk, 78 (1 Krider's); **Harlan's Hawk, 2** (200 yards, 30x scope); Red-shouldered Hawk, 22; Rough-legged Hawk, 29; Bald Eagle, **114**; Marsh Hawk, 10; Sparrow Hawk, 15; Bobwhite, 60; Ring-necked Pheasant, 79; Killdeer, 1; Herring Gull, 320; Ring-billed Gull, 64; Mourning Dove, 158; Screech Owl, 4; Great Horned Owl, 4; Barred Owl, 17; Long-eared Owl, 4; Short-eared Owl, 3; Belted Kingfisher, 13; Yellow-shafted Flicker, 21; Red-bellied Woodpecker, 68; Red-headed Woodpecker, 4; **Yellow-bellied Sapsucker, 1** (D. G.); Hairy Woodpecker, 49; Downy Woodpecker, 128; Horned Lark, 140; Blue Jay, 160; Common Crow, 651; Black-capped Chickadee, 346; Tufted Titmouse, 150; White-breasted Nuthatch, 120; Red-breasted Nuthatch, 2; Brown Creeper, 11; Carolina Wren, 3; **Mockingbird, 1** (visiting feeder since Sept.); Brown Thrasher, 1; Robin, 15; Eastern Bluebird, 1; Golden-crowned Kinglet, 45; Cedar Waxwing, 29; **Loggerhead Shrike, 1** (D. S.); Starling, 3535; House Sparrow, 4912; Eastern Meadowlark, 1; Western Meadowlark, 6; meadowlark (sp.), 53; Redwinged Blackbird, 1212; Rusty Blackbird, 3; Common Grackle, 126; Brown-headed Cowbird, 5; Cardinal, 360; Purple Finch, 5; Pine Siskin, 5; Am. Goldfinch, 109; Savannah Sparrow, 3; Slate-colored Junco, 927; Oregon Junco, 1 (M. T.); Tree Sparrow, 1113; Field Sparrow, 1; White-crowned Sparrow, 1; White-throated Sparrow, 4; Fox Sparrow, 5; **Lincoln's Sparrow, 2** (carefully identified—M. T.); Swamp Sparrow, 7; Song Sparrow, 130; Lapland Longspur, 1. **Total,** 75 species (1 additional race); about 16,961 individuals. (Seen in area count period, but not on count day: Canada Goose, Ring-necked Duck, Hooded and Red-breasted Merganser, Common Snipe, Barn Owl, Pileated Woodpecker, Bohemian Waxwing.) —Carl Bengston, Lewis Blevins, Mrs. Emmy Busch, Harry Carl, Mrs. Dorothy Cowley, Mrs. A. S. Crom, Larry Dau, Robert Dau, Mr. and Mrs. Walter Dau, Dale Dickinson, Leo Doering, Elton Fawkes, Mr. and Mrs. Floyd Gold, Jeanette Graham, Dick Greer, Ted Greer, Jim Hanssen, Mrs. C. C. Hazard, Mr. and Mrs. Jim Hodges, Mrs. Clarence Johnson, Dave Krause, James Lewis, Tom Morrissey, Peter Petersen, Jr. (compiler), Mr. and Mrs. Pete C. Petersen, Mr. and Mrs. Don Price, Mrs. Paul Ryan, Fred Schwartz, Joseph Carl Scolaro, Larry Scott, Dennis Sheets, Don Swensson, Ron Swensson, Mr. and Mrs. Robert Trial, Carl Utz.

390. Decorah, Iowa (all points within a 15-mile diameter circle, center at NE corner Sec. 24-99-8, including Upper Iowa River, Canoe and Bear Creeks, Twin Springs, Decorah, Highlandville; river and creek bottoms 40%, open fields 40%, brush and timber 15%, city 5%).—Dec. 27; 8 a.m. to 4 p.m. Clear; temp. 26° to 36°; wind S to SE, 1-10 m.p.h; little snow cover, rivers frozen, creeks mostly frozen. Twenty-five observers in 4 parties. Total party-hours, 31 (27 on foot, 4 by car); total party-miles, 116 (22 on foot, 94 by car). ► Gadwall, 1; Red-tailed Hawk, 17; Red-shouldered Hawk, 1; Broad-winged Hawk, 1 [no details—Ed.]; Ruffed Grouse, 4; Ring-necked Pheasant, 32; Killdeer, 1; Common Snipe, 1; Mourning Dove, 23; Belted Kingfisher, 22; Yellow-shafted Flicker, 6; Pileated Woodpecker, 3; Red-bellied Woodpecker, 9; Red-headed Woodpecker, 2; Hairy Woodpecker, 6; Downy Woodpecker, 26; Horned Lark, 10; Blue Jay, 38; Common Crow, 71; Black-capped Chickadee, 86; Tufted Titmouse, 39; White-breasted Nuthatch, 60; Red-breasted Nuthatch, 1; Brown Creeper, 1; Robin, 1; Golden-crowned Kinglet, 1; Starling, 126; House Sparrow, 329; Cardinal, 66; Purple Finch, 3; Am. Goldfinch, 25; Slate-colored Junco, 63; Tree Sparrow, 120; Song Sparrow, 5. **Total,** 34 species; about 1200 individuals. (Seen in area count period, but not on count day: Bald Eagle, Screech Owl.)—Louise Ambule, Bertha Daubendiek, Bob Daubendiek (compiler), O. M. Hovde, Martha Hovde, Mrs. Burt Henning, Dale Henning, Darrell Henning, Tom Henning, Mr. and Mrs. Arnold Rohm, Mrs. Bill Walker.

391. Des Moines, Iowa (all points within a 15-mile diameter circle, center same as last year; deciduos woodland 65%, open fields 25%, water and riverside 7%, coniferous woodland 3%).—Dec. 27; 8 a.m. to 4:30 p.m. Clear; temp. 27° to 55°; wind SW, 9-11 m.p.h.; no snow. Nineteen observers in 4 parties. Total party-hours, 34 (23 on foot, 11 by car); total party-miles, 214 (22 on foot, 192 by car). ► Mallard, 1502; Black Duck, 4; Red-tailed Hawk, 4; Rough-legged Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 3; Bobwhite, 38; Ring-necked Pheasant, 4; Mourning Dove, 31; Great Horned Owl, 1; Barred Owl, 3; Long-eared Owl, **8**; Belted Kingfisher, 1; Yellow-shafted Flicker, 11; Red-bellied Woodpecker, 25; Hairy Woodpecker, 16; Downy Woodpecker, 32; Horned Lark, 5; Blue Jay, 16; Common Crow, 78; Black-capped Chickadee, 212; Tufted Titmouse, 38; White-breasted Nuthatch, 67; Brown Creeper, 3; Winter Wren, 2; Robin, 5; Eastern Bluebird, 4; **Townsend's Solitaire, 1** (in area since Dec. 13); Golden-crowned Kinglet, 7; Cedar Waxwing, 15; Starling, 150; House Sparrow, 400; Western Meadowlark, 8; meadowlark (sp.), **42**; Redwinged Blackbird, **90**; Rusty Blackbird, 8; **Brown-headed Cowbird, 2**; Cardinal, 82; Am. Goldfinch, 46; Slate-colored Junco, 128; Tree Sparrow, 368; Harris' Sparrow, **30**; **Lincoln's Sparrow, 1** (carefully identified); Song Sparrow, 26. **Total,** 43 species; about 3516 individuals. (Seen in area count period, but not on count day: Short-eared Owl, Carolina Wren, **Bohemian Waxwing,** Common Grackle, Purple Finch, Swamp Spar-

row.)—Dorothy Anderson, Albert C. Berkowitz, Georgia Billmeyer, Mrs. Ruth Binsfield, Mrs. Gladys Black, Mrs. Dwight Brooke, Carl Brown, Woodward H. Brown, Ruth Chapman, Oliver Graves, Mr. and Mrs. Lester Haskell, Joe Kennedy (compiler), Mrs. E. D. Meyer, Mary Elizabeth Peck, Dr. and Mrs. Harold Peasley, Mary Ellen Warters, Lynn Willcockson.

392. **Dubuque, Iowa** (all points within a 15-mile diameter circle, center at Center Grove Cemetery, including Linwood and Mt. Calvary Cemeteries, Eagle Point Park, City Island, Dubuque's Grave Area, Mississippi River sloughs in Wisconsin; open fields 10%, coniferous woodlands 15%, deciduous woodlands 40%, river sloughs 35%).—Dec. 28; 7:30 a.m. to 4 p.m. Mostly clear; temp. 29° to 42°; wind S, 0-8 m.p.h.; some old snow in woods, river frozen. Nine observers in 3 parties. Total party-hours, 24 (20 on foot, 4 by car); total party-miles, 45 (15 on foot, 30 by car). ► Mallard, 2; Common Merganser, 52; Cooper's Hawk, 1; Red-shouldered Hawk, 4; Bald Eagle, 2; Killdeer, 1; Herring Gull, 1; Screech Owl, 1; Barred Owl, 2; Belted Kingfisher, 1; Pileated Woodpecker, 1; Red-bellied Woodpecker, 4; Hairy Woodpecker, 4; Downy Woodpecker, 5; Horned Lark, 5; Blue Jay, 11; Common Crow, 20; Black-capped Chickadee, 37; Tufted Titmouse, 20; White-breasted Nuthatch, 16; Robin, 1; Golden-crowned Kinglet, 9; Cedar Waxwing, 13; Starling, 529; House Sparrow, 73; Cardinal, 27; Pine Siskin, 16; Am. Goldfinch, 13; Slate-colored Junco, 61; Tree Sparrow, 45; Song Sparrow, 1. **Total,** 31 species; about 978 individuals. (Seen in area count period, but not on count day: Common Goldeneye, Oregon Junco.)—Frieda M. Crossley, George E. Crossley (compiler), Clifford O. Johnson, Robert Johnson, Ival Schuster, Phyllis Shultz, Robert Spahn, Floyd Wharton, Leanore Wunderlich.

393. **Iowa City, Iowa** (all points within a 15-mile diameter circle, center same as in previous years; open farmlands 45%, deciduous woodland 45%, coniferous woodland 10%).—Dec. 21; 7 a.m. to 5:30 p.m. Overcast; temp. 16° to 26°; wind E, 10-13 m.p.h.; 1-in. old snow, rivers and ponds frozen. Five observers in 1 party. Total party-hours, 11 (6 on foot, 5 by car); total party-miles, 78 (8 on foot, 70 by car). ► Red-tailed Hawk, 19; Red-shouldered Hawk, 3; Rough-legged Hawk, 1; Marsh Hawk, 4; Bobwhite, 37; Ring-necked Pheasant, 9; Mourning Dove, 6; Screech Owl, 1; Great Horned Owl, 2; Barred Owl, 1; Long-eared Owl, **28**; Short-eared Owl, 1; Saw-whet Owl, 3; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Pileated Woodpecker, 1; Red-bellied Woodpecker, 13; Red-headed Woodpecker, 16; Hairy Woodpecker, 1; Downy Woodpecker, 17; Blue Jay, 20; Common Crow, 53; Black-capped Chickadee, 47; Tufted Titmouse, 13; White-breasted Nuthatch, 15; Carolina Wren, 1; Starling, 200; House Sparrow, 200; Eastern Meadowlark, 5; Redwinged Blackbird, 4; Rusty Blackbird, 1; Cardinal, 80; Purple Finch, 12; Am. Goldfinch, 8; Slate-colored Junco, 170; Tree Sparrow, 260; White-crowned Sparrow, 21; Song Sparrow, 1. **Total,** 38 species; about 1276 individuals.—F. W. Kent (compiler), T. H. Kent, P. P. Laude, S. D. MacDonald, Thomas Morrissey.

394. **Lansing, Iowa** (all points within a 15-mile diameter circle, center on south quarter post, section 8-99-4, including Lansing, New Albin, Mississippi River, Upper Iowa River, French Creek; woodland 50%, open fields 20%, marsh and water lands 20%, misc. 10%).—Dec. 27; 7 a.m. to 4 p.m.; temp. 24° to 45°; wind SW to NW, 2-8 m.p.h.; 1-2-in. snow in shade, creeks open, rivers 90% frozen. Two observers in 1 party. Total party-hours, 9 (5 on foot, 4 by car); total party-miles, 72 (8 on foot, 64 by car). ► Green-winged Teal, 1; Red-tailed Hawk, 7; Rough-legged Hawk, 2; Bald Eagle, 1; Sparrow Hawk, 1; Ruffed Grouse, 1; Killdeer, 4; Belted Kingfisher, 1; Yellow-shafted Flicker, 3; Pileated Woodpecker, 2; Red-bellied Woodpecker, 12; Hairy Woodpecker, 5; Downy Woodpecker, 4; Blue Jay, 47; Common Crow, 31; Black-capped Chickadee, 144; Tufted Titmouse, 14; White-breasted Nuthatch, 49; Brown Creeper, 1; House Sparrow, 326; Rusty Blackbird, 7; Cardinal, 34; Am. Goldfinch, 10; Slate-colored Junco, 116; Tree Sparrow, 193; White-crowned Sparrow, 3; Song Sparrow, 1. **Total,** 27 species; about 990 individuals. (Seen in area count period, but not on count day: White-winged Crossbill.)—Arthur J. Palas (compiler), Fritz R. Palas.

395. **Liscomb, Iowa** (all points within a 15-mile diameter circle, center Liscomb, including Iowa River from north edge of Marshall County to Indian Bridge; deciduous woodland 65%, open farmland 10%, brushy stream and river edges 20%, roadsides 4%, feeders 1%).—Dec. 27; 8:15 a.m. to 5 p.m. Clear; temp. 27° to 50°; wind W to SW, 1-10 m.p.h.; few spots of snow, river and streams partly open. Two observers in 1 party. Total party-hours, 8 (7 on foot, 1 by car); total party-miles, 40 (10 on foot, 30 by car). ► Cooper's Hawk, 1; Red-shouldered Hawk, 1; Ring-necked Pheasant, 2; Screech Owl, 2; Yellow-shafted Flicker, 2; Red-bellied Woodpecker, 4; Red-headed Woodpecker, 4; Hairy Woodpecker, 1; Downy Woodpecker, 17; Blue Jay, 10; Common Crow, 100; Black-capped Chickadee, 24; Tufted Titmouse, 8; White-breasted Nuthatch, 9; Starling, 49; House Sparrow, 87; Eastern Meadowlark, 4; Western Meadowlark, 1; Cardinal, 6; Am. Goldfinch, 2; **Savannah Sparrow,** 1 (carefully identified); Slate-colored Junco, 88; Tree Sparrow, 89; Song Sparrow, 5. **Total,** 24 species; about 517 individuals. (Seen in area count period, but not on count day: Common Snipe, Common Grackle.)—Beth Proescholdt (compiler), Terry Proescholdt.

396. **Mount Vernon, Iowa** (all points within a 15-mile diameter circle, center same as in previous years).—Dec. 27; 7:30 a.m. to 4:30 p.m.; temp. 27° to 30°; no wind; snowcover, Red Cedar River partly open. Two observers in 1 party. Total party-hours, 8 (6 on foot, 2 by car); total party-miles, 50 (12 on foot, 38 by car). ► Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Bald Eagle, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 14; Great Horned Owl, 3; Yellow-shafted Flicker, 4; Red-bellied

Woodpecker, 5; Red-headed Woodpecker, 10; Downy Woodpecker, 6; Blue Jay, 7; Common Crow, 14; Black-capped Chickadee, 13; Tufted Titmouse, 10; White-breasted Nuthatch, 9; Brown Creeper, 1; Winter Wren, 1; Starling, 38; House Sparrow, 323; Redwinged Blackbird, 82; Cardinal, 5; Am. Goldfinch, 1; Slate-colored Junco, 33; Tree Sparrow, 31. **Total,** 24 species; about 614 individuals. (Seen in area count period, but not on count day: Fox Sparrow.)—Seddie Cogswell, J. Harold Ennis (compiler).

397. Shenandoah, Iowa (all points within a 15-mile diameter circle, center at Farragut; river woods 20%, other deciduous woodland including orchards 25%, coniferous woodland 10%, open farmland and prairie 45%).—Dec. 28; 8 a.m. to 5 p.m. Clear to partly cloudy; temp. 34° to 43°; wind SE, 5 m.p.h.; ground bare, rivers mostly open. Seven observers in 2 parties. Total party-hours, 17 (8 on foot, 9 by car); total party-miles, 142 (12 on foot, 130 by car). ► Snow Goose, 10; Blue Goose, 15; Mallard, 66; Red-tailed Hawk, 4; Marsh Hawk, 4; Sparrow Hawk, 8; Ring-necked Pheasant, 2; Mourning Dove, 13; Great Horned Owl, 2; Yellow-shafted Flicker, 8; Red-bellied Woodpecker, 7; Hairy Woodpecker, 3; Downy Woodpecker, 13; Blue Jay, 21; Common Crow, 131; Black-capped Chickadee, 77; Tufted Titmouse, 3; White-breasted Nuthatch, 5; Brown Creeper, 3; Golden-crowned Kinglet, 3; **Bohemian Waxwing, 8** (all field marks by 4 observers); Loggerhead Shrike, 3; Starling, 422; House Sparrow, 569; Western Meadowlark, 34; Rusty Blackbird, 6; Cardinal, 28; Am. Goldfinch, 17; Slate-colored Junco, 199; Tree Sparrow, 811; Harris' Sparrow, 8; White-crowned Sparrow, 2; Song Sparrow, 18. **Total,** 33 species; about 2523 individuals. (Seen in area count period, but not on count day: Horned Lark, **Townsend's Solitaire,** Brown-headed Cowbird.)—Mr. and Mrs. Robert I. Bordner, Mrs. Robert I. Bordner, Sr., Francis M. Braley, Mrs. Francis M. Braley (compiler), Mr. and Mrs. Edward

398. Sioux City, Iowa (all points within a 15-mile diameter circle; deciduous woodland and park 40%, wooded streams and springs 15%, coniferous area 10%, marsh 5%, open country 20%, city and suburbs 10%).—Dec. 28; 8 a.m. to 5 p.m. Partly cloudy; temp. 36° to 45°; wind NW, 10 m.p.h.; ground bare. Five observers in 2 parties. Total party-hours, 10 (7 on foot, 3 by car); total party-miles, 42; (8 on foot, 34 by car). ► Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 1; Yellow-shafted Flicker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 23; Blue Jay, 10; **Black-billed Magpie, 11** (largest number ever recorded locally); Common Crow, 14; Black-capped Chickadee, 65; White-breasted Nuthatch, 33; Brown Creeper, 4; Cedar Waxwing, 17; Northern Shrike, 1; Starling, 116; House Sparrow, 128; Cardinal, 34; Pine Siskin, 1; Am. Goldfinch, 21; Rufous-sided Towhee, 2; Slate-colored Junco, 20; Tree Sparrow, 75. **Total,** 24 species; about 583 individuals.—Mr. and Mrs. Darell Hanna, L. J. Nickolson (compiler), Mr. and Mrs. Robert L. Nickolson.

399. Tripoli Area, Iowa (all points within a 15-mile diameter circle, including Sweet Marsh Refuge, Wapsipinicon River Valley southeast 4 miles into Black Hawk Co.; farmland 75%, deciduous woodland 25%).—Jan. 1; 8 a.m. to 5 p.m. Snowing all day; temp. 20° to 35°; wind E to W, 0-10 m.p.h.; some open water, 4-in. new snow. Nine observers in 1 party. Total party-hours, 9; total party-miles, 93 (11 on foot, 82 by car). ► Mallard, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 3; Rough-legged Hawk, 7; Ring-necked Pheasant, 61; Mourning Dove, 8; Great Horned Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 6; Red-bellied Woodpecker, 6; Red-headed Woodpecker, 4; Hairy Woodpecker, 4; Downy Woodpecker, 17; Horned Lark, 21; Blue Jay, 14; Common Crow, 140; Black-capped Chickadee, 25; Tufted Titmouse, 8; White-breasted Nuthatch, 15; Brown Creeper, 3; Winter Wren, 1; Robin, 2; Starling, 178; House Sparrow, 180; Eastern Meadowlark, 16; Rusty Blackbird, 15; Common Grackle, 5; Cardinal, 12; Am. Goldfinch, 8; Slate-colored Junco, 53; Tree Sparrow, 133; Song Sparrow, 2. **Total,** 33 species; about 954 individuals. (Seen in area count period, but not on count day: Golden-crowned Kinglet.)—Myrle M. Burk (compiler), Virgil E. Dowell, Martin L. Grant, Russel Hays, Mina Pratt, Maxine Schwanke, Florence J. Spring, George Swanson, Ben Thoma (Waterloo Audubon Society).

400. Union Slough National Wildlife Refuge, Iowa (all points within a 15-mile diameter circle; 2077 acre waterfowl refuge 5½ miles west of Titonka; marsh and water 49%, upland grasslands and ash-elm-willow thickets 41%, cultivated croplands 10%).—Dec. 22; 8:15 a.m. to 4:45 p.m. Partly overcast; temp. 20% to 36%; wind S, 0-5 m.p.h.; 1-in. snow on ground, water open at tile outlet. One observer. Total hours, 8½ (4 on foot, 4½ by car); total miles, 10 (3 on foot, 7 by car). ► Mallard, 32; Rough-legged Hawk, 2; **Prairie Falcon, 1**; Ring-necked Pheasant, **936**; Mourning Dove, 1; Great Horned Owl, 1; Yellow-shafted Flicker, 5; Downy Woodpecker, 6; Common Crow, 24; Black-capped Chickadee, 61; White-breasted Nuthatch, 7; Northern Shrike, 1; House Sparrow, 2; Western Meadowlark, 23; Redwinged Blackbird, 26; Common Grackle, 2; Slate-colored Junco, 17; Tree Sparrow, 206. **Total,** 18 species; about 1353 individuals.—Harold H. Burgess.

401. Gallatin, Mo. (all points within a 9-mile diameter circle, center at John Stiger's farm 6 miles from Gallatin; timber 40%, cultivated land 40%, open fields 20%).—Dec. 29; 8 a.m. to 5 p.m. Cloudy, clearing; temp. 25° to 35°; wind NE, 15-20 m.p.h.; ground clear. Two observers in 1 party. Total party-hours, 9 (all on foot); total party-miles, 15 (all on foot). ► Red-tailed Hawk, 4; Sparrow Hawk, 1; Bobwhite, 20; Killdeer, 1; Mourning Dove, 2; Screech Owl, 1; Great Horned Owl, 1; Barred Owl, 1; Yellow-shafted Flicker, 5; Red-bellied Woodpecker, 7; Hairy Woodpecker, 7; Downy Woodpecker, 13; Horned Lark, 25; Blue Jay, 18; Common Crow, 18;

Black-capped Chickadee, 63; Tufted Titmouse, 21; White-breasted Nuthatch, 2; Brown Creeper, 2; Mockingbird, 2; Brown Thrasher, 1; Starling, 65; House Sparrow, 1880; Eastern Meadowlark, 1; Cardinal, 107; Am. Goldfinch, 186; Rufous-sided Towhee, 1; Slate-colored Junco, 261; Tree Sparrow, 21; Field Sparrow, 5; Harris' Sparrow, 74; White-throated Sparrow, 1; Song Sparrow, 19. **Total,** 33 species; about 2836 individuals.—Jimmie Corbin (compiler), Wayne Vyrostek.

402. Kansas City, Mo.–Kans. (all points within a 15-mile diameter circle, center Argentine, including Quivira Lake, Wyandotte County Lake, northwest end of Swope Park, areas along Missouri River; open fields 30%, deciduous wooded lakes 20%, deciduous woodland park 20%, river bottomland 30%).—Dec. 21; 7 a.m. to 5 p.m. Clear; temp. 34° to 52°; wind N, 5 m.p.h.; lakes ¾ frozen, Missouri River open. Seventeen observers in 6 parties. Total party-hours, 47 (37 on foot, 10 by car); total party-miles, 176 (35 on foot, 141 by car). ► Canada Goose, 22; Mallard, 15,211; Black Duck, 3; Pintail, 15; Am. Widgeon, 55; Canvasback, 3; Common Goldeneye, 4; Common Merganser, 305; Cooper's Hawk, 2; Red-tailed Hawk, 14; Rough-legged Hawk, 1; Bald Eagle, 1; Marsh Hawk, 2; Sparrow Hawk, 7; Bobwhite, 39; Killdeer, 3; Mourning Dove, 57; Screech Owl, 2; Great Horned Owl, 6; Short-eared Owl, 2; Belted Kingfisher, 2; Yellow-shafted Flicker, 89; Red-bellied Woodpecker, 54; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 20; Downy Woodpecker, 51; Horned Lark, 17; Blue Jay, 91; Common Crow, 148; Black-capped Chickadee, 328; Tufted Titmouse, 200; White-breasted Nuthatch, 2; Brown Creeper, 4; Winter Wren, 1; Carolina Wren, 30; Mockingbird, 5; Robin, 3; Eastern Bluebird, 52; Golden-crowned Kinglet, 37; Cedar Waxwing, 4; Loggerhead Shrike, 3; Starling, 1025; Myrtle Warbler, 1; House Sparrow, 802; Eastern Meadowlark, 500; Western Meadowlark, 2; Rusty Blackbird, 2; Common Grackle, 1; Cardinal, 388; Purple Finch, 15; Pine Siskin, 1; Am. Goldfinch, 385; Rufous-sided Towhee, 11; Slate-colored Junco, 928; Oregon Junco, 13; Tree Sparrow, 229; **Chipping Sparrow, 1** (at feeder—E. C., J. I.); Harris' Sparrow, 26; White-crowned Sparrow, 1; White-throated Sparrow, 16; Fox Sparrow, 13; Lincoln's Sparrow, 8; Song Sparrow, 40; Lapland Longspur, 1. **Total,** 64 species; about 21,307 individuals. (Seen in area count period, but not on count day: Am. Coot, Brown Thrasher, Redwinged Blackbird.)—Mr. and Mrs. John Bart, Elizabeth Cole, Richard Dawson, Rilla Hammat, Harold Hedges, Josephine Isenberger, Mr. and Mrs. James Myers, Esther O'Connor, Ted Pucci (compiler), Dean Rising, James Rising, Frank Stoerman, Curtis Stout, Bernice Tatum, Kenneth Weaver (Burroughs Nature Club).

403. Portage Des Sioux, Mo. (all points within a 15-mile diameter circle, center on Portage Des Sioux along Mississippi River; approximately same terrain as last year, all on Missouri side of river; bottomlands and sloughs 75%, untilled weed-grown fields 4%, tilled fields 21%).—Dec. 20; 8:15 a.m. to 4:30 p.m. Cloudy, intermittent light snow; temp. 25° to 26°; wind NNE, 5-8 m.p.h.; ground bare, river frozen except for air holes. Nine observers in 1 party. Total party-hours, 8¼ (7½ on foot, ¾ by car); total party-miles, 17 (4 on foot, 13 by car). ► Great Blue Heron, 2; Snow Goose, 300; Blue Goose, 250+; Mallard, 700+; Black Duck, 1; Gadwall, 1; Pintail, 38; Canvasback, 79; Lesser Scaup, 16; Common Goldeneye, 300; Ruddy Duck, 2; Common Merganser, 700+; Red-tailed Hawk, 6; Bald Eagle, 2; Marsh Hawk, 4; Sparrow Hawk, 2; Herring Gull, 13; Ring-billed Gull, 67; Mourning Dove, 1; Short-eared Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 38; Pileated Woodpecker, 2; Red-bellied Woodpecker, 15; Red-headed Woodpecker, 53; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 16; Horned Lark, 33; Blue Jay, 17; Common Crow, 800+; Black-capped Chickadee, 18; Tufted Titmouse, 14; White-breasted Nuthatch, 18; Brown Creeper, 4; Winter Wren, 1; Carolina Wren, 3; Robin, 2; Hermit Thrush, 1; Golden-crowned Kinglet, 2; Loggerhead Shrike, 2; Starling, 600+; House Sparrow, 86; European Tree Sparrow, 12; Eastern Meadowlark, 33; Common Grackle, 2; Cardinal, 22; Am. Goldfinch, 8; Slate-colored Junco, 11; Tree Sparrow, 8; White-throated Sparrow, 3; Swamp Sparrow, 2; Song Sparrow, 7; Lapland Longspur, 2. **Total,** 54 species; about 4327 individuals.—Alberta Bolinger; Beulah Bedell, J. Earl Comfort (compiler), Earl H. Hath, Frances Pickel, James Jackson, Sally Springer, Dorothea Vogel, Richard Vasse (St. Louis Audubon Society).

404. Springfield, Mo. (all points within a 3-mile diameter circle; along railroad tracks by Lake Springfield and adjacent marshes and country roadsides; lakeshore 60%, marshes 20%, deciduous woodland 5%, open fields 5%, roadsides 10%).—Dec. 29; 8:30 a.m. to 4:30 p.m. Low overcast; temp. 30° to 37°; wind NE, 5-8 m.p.h.; some ice in marshes. Two observers in 1 party. Total party-hours, 8 (7 on foot, 1 by car); total party-miles, 8 (4 on foot, 4 by car). ► Pied-billed Grebe, 2; Canada Goose, 2; Snow Goose, 1; Mallard, 2000; Green-winged Teal, 2; Ruddy Duck, 2; Common Merganser, 8; Red-tailed Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 2; Bobwhite, 5; Killdeer, 1; Common Snipe, 1; Mourning Dove, 2; Great Horned Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 1; Pileated Woodpecker, 1; Red-bellied Woodpecker, 3; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 7; Horned Lark, 3; Blue Jay, 7; Common Crow, 21; Carolina Chickadee, 5; Tufted Titmouse, 6; White-breasted Nuthatch, 1; Bewick's Wren, 1; Carolina Wren, 2; Mockingbird, 2; Robin, 5; Eastern Bluebird, 4; Water Pipit, 2; Loggerhead Shrike, 1; Starling, 58; House Sparrow, 42; Eastern Meadowlark, 12; Redwinged Blackbird, 32; Rusty Blackbird, 18; Brown-headed Cowbird, 12; Cardinal, 12; Am. Goldfinch, 37; Slate-colored Junco, 43; Tree Sparrow, 55; Field Sparrow, 2; Harris' Sparrow, 5; White-crowned Sparrow, 18; Fox Sparrow, 4; Lincoln's Sparrow, 2; Song Sparrow, 37; **Snow Bunting, 1** (carefully identified). **Total,** 52 species; about 2499 individuals.

(Seen in area count period, but not on count day: Golden-crowned Kinglet, Cedar Waxwing, Purple Finch.)—Christine Fay, N. Irving Fay (compiler).

405. Weldon Springs, Mo. (all points within a 15-mile diameter circle; August A. Busch Wildlife Management Area in St. Charles County as in previous years).—Dec. 28; 8 a.m. to 5:30 p.m. Mostly sunny; temp. 28° to 57°; wind S, 5 m.p.h.; streams open, lakes partly frozen. Twenty-seven observers in 12 parties. Total party-hours, 57 (56 on foot, 1 by car); total party-miles, 77 (71 on foot, 6 by car). ► Great Blue Heron, 1; Canada Goose, 329; Mallard, 4500; Black Duck, 51; Gadwall, 1; Pintail, 1; Green-winged Teal, 7; Am. Widgeon, 3; Sharp-shinned Hawk, 2; Red-tailed Hawk, 49; Red-shouldered Hawk, 1; Marsh Hawk, 4; Sparrow Hawk, 1; Bobwhite, 185; Ring-necked Pheasant, 2; Killdeer, 9; Common Snipe, 1; Mourning Dove, 218; Barred Owl, 2; Belted Kingfisher, 8; Yellow-shafted Flicker, 109; Pileated Woodpecker, 19; Red-bellied Woodpecker, **353**; Red-headed Woodpecker, 87; Hairy Woodpecker, 33; Downy Woodpecker, 79; Horned Lark, 24; Blue Jay, 285; Common Crow, 352; Black-capped Chickadee, 165; Tufted Titmouse, 183; White-breasted Nuthatch, 53; Brown Creeper, 3; Carolina Wren, 58; Mockingbird, 177; Brown Thrasher, 4; Robin, 144; Hermit Thrush, 1; Eastern Bluebird, 105; Golden-crowned Kinglet, 6; Ruby-crowned Kinglet, 1; Cedar Waxwing, 358; Loggerhead Shrike, 7; Starling, 58; Myrtle Warbler, 2; House Sparrow, 249; Eastern Meadowlark, 85; Red-winged Blackbird, 275; Rusty Blackbird, 66; Brown-headed Cowbird, 1; Cardinal, 400; Purple Finch, 56; Pine Siskin, 4; Am. Goldfinch, 539; Rufous-sided Towhee, 17; Savannah Sparrow, 9; Le Conte's Sparrow, 1; Slate-colored Junco, 1197; Oregon Junco, 6; Tree Sparrow, 727; Field Sparrow, 13; Harris' Sparrow, 1; White-crowned Sparrow, 114; White-throated Sparrow, 35; Fox Sparrow, 14; Lincoln's Sparrow, 2; Swamp Sparrow, 198; Song Sparrow, 314. **Total,** 68 species; about 12,364 individuals.—Sam Alfend, Dick Anderson, Alberta Bolinger, Ray Brown, George Cameron, J. Earl Comfort, James F. Comfort (compiler), Bruce Dowling, Rusty Dowling, Patti Grace, Steve Hanselmann, Earl Hath, Kathleen Herbert, Richard A. Herbert, Larry Licht, J. Marshall Magner, Joel Massie, Danny O'Shea, Nettie Palm, Waldermar Palm, Larry Schainker, Fred Springer, Sally Springer, Harold Stiles, Dick Vasse, Dorothea Vogel, Dick Wason (Webster Groves Nature Study Society).

406. Fort Smith, Ark.–Moffett, Okla. (all points within a 15-mile diameter circle, center at intersection of Hendrick's Blvd. and Cliff Drive as in previous years; riverbottom fields 27%, upland and airport fields 28%, upland deciduous woods 23%, riverbottom deciduous woods 16%, farm ponds and lakes 6%).—Dec. 27; 6:30 a.m. to 6:10 p.m. Clear; temp. 36° to 59°; wind ENE, average 5 m.p.h. Fourteen observers in 5 parties. Total party-hours, 45 (30 on foot, 15 by car); total party-miles, 317 (30 on foot, 287 by car). ► Pied-billed Grebe, 1; Great Blue Heron, 8; Canada Goose, 1; Mallard, 71; Green-winged Teal, 3; **Redhead,** 1; Lesser Scaup, 1; Turkey Vulture, 1; Cooper's Hawk, 1; Red-tailed Hawk, 24; **Bald Eagle,** 1; Marsh Hawk, 8; Sparrow Hawk, 27; Bobwhite, 29; Killdeer, 54; Common Snipe, 47; Mourning Dove, **156**; Great Horned Owl, 3; Barred Owl, 1; Belted Kingfisher, 7; Yellow-shafted Flicker, 47; Pileated Woodpecker, 4; Red-bellied Woodpecker, 37; Red-headed Woodpecker, 27; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 7; Downy Woodpecker, 13; Horned Lark, 386; Blue Jay, 157; Common Crow, 302; Fish Crow, 10; Carolina Chickadee, 114; Tufted Titmouse, 80; White-breasted Nuthatch, 1; Brown Creeper, 8; Winter Wren, 1; Bewick's Wren, 3; Carolina Wren, 23; Mockingbird, 75; Brown Thrasher, 15; Robin, 172; Hermit Thrush, 2; Eastern Bluebird, 65; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 7; Water Pipit, 68; Cedar Waxwing, 3; Loggerhead Shrike, 39; Starling, 5769; Myrtle Warbler, 3; House Sparrow, 376; Eastern Meadowlark, 461; Western Meadowlark, 1; Red-winged Blackbird, 103; Rusty Blackbird, 57; Common Grackle, 3; Brown-headed Cowbird, 19; mixed blackbirds and starlings, 2300; Cardinal, 95; Purple Finch, 54; Am. Goldfinch, 36; Rufous-sided Towhee, **24**; Savannah Sparrow, 4; Le Conte's Sparrow, 5; Slate-colored Junco, 335; Field Sparrow, 75; Harris' Sparrow, 7; White-crowned Sparrow, 1; White-throated Sparrow, 149; Fox Sparrow, 10; Lincoln's Sparrow, 1; Swamp Sparrow, 17; Song Sparrow, 76; Lapland Longspur, 129; Smith's Longspur, 15. **Total,** 74 species; about 12,244 individuals.—Ruth Armstrong, Bill Beall (compiler), Bobby Cogburn, Mrs. T. W. Crowe, Fred Epperson, Ralph Fox, Carol Garner, Ricky Jones, Mr. and Mrs. E. Linam, Jim Mullhollan, John Price, Bill Stewart, Hayden Williams.

407. Little Rock, Ark. (all points within a 15-mile diameter circle, center same as in past).—Dec. 27; 7 a.m. to 5 p.m. Light fog until 1:30 p.m., then fair; temp. 41° to 51°; wind NW, 4-12 m.p.h. Thirteen observers in 7 parties. Total party-hours, 52 (51 on foot, 1 by car); total party-miles, 31 (24 on foot, 7 by car). ► Mallard, 12; Wood Duck, 40; Turkey Vulture, 3; Cooper's Hawk, 1; Red-tailed Hawk, 4; Red-shouldered Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 4; Bobwhite, 87; **Sora,** 1 (carefully identified—W. S.); Am. Coot, 1; Killdeer, 33; Common Snipe, 9; Mourning Dove, 62; Barred Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 39; Pileated Woodpecker, 5; Red-bellied Woodpecker, 21; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 9; Hairy Woodpecker, 12; Downy Woodpecker, 56; Eastern Phoebe, 1; Blue Jay, 107; Common Crow, 39; Carolina Chickadee, 90; Tufted Titmouse, 51; White-breasted Nuthatch, 12; Red-breasted Nuthatch, 1; Brown-headed Nuthatch, 10; Brown Creeper, 2; Winter Wren, 8; Bewick's Wren, 2; Carolina Wren, 28; Mockingbird, 93; Brown Thrasher, 6; Robin, 30; Hermit Thrush, 6; Eastern Bluebird, 3; Golden-crowned Kinglet, **38**; Ruby-crowned Kinglet, 29; Cedar Waxwing, 14; Loggerhead Shrike, 5; Starling, 396; Myrtle Warbler, 5; Pine Warbler, 26; House Sparrow, 380; Eastern Meadow-

lark, 48; Redwinged Blackbird, 502; Common Grackle, 11,315; Brown-headed Cowbird, 30; blackbird (sp.), 30,000; Cardinal, 201; Purple Finch, 16; Am. Goldfinch, 258; Rufous-sided Towhee, 7; Savannah Sparrow, 8; Slate-colored Junco, 808; Field Sparrow, 18; White-throated Sparrow, 297; Fox Sparrow, 22; Swamp Sparrow, 10; Song Sparrow, 35; Smith's Longspur, 4. **Total,** 64 species; about 45,365 individuals.—A. L. Butler, H. H. Daniel (compiler), Charles and Edith Fletcher, Mrs. Marie Fuqua, Atha and Ross Jamison, Mrs. Pat Moore, Joe A. and Jo Donna Norton, Mr. and Mrs. Bernard Olds, William M. Shepherd, Jr. (Pulaski County Audubon Society).

408. Lonoke, Ark. (all points within a 15-mile diameter circle, center 1 mile SE of Lonoke, 1957 areas slightly curtailed; same habitats as in 1957 except bottomlands not flooded).—Dec. 20; 6 a.m. to 5 p.m. Clear, overcast, then clear all afternoon; temp. 35° to 49°; wind N, 7-14 m.p.h.; few snow patches in shady places. Fourteen observers in 6 parties. Total party-hours, 38 (23 on foot, 15 by car); total party-miles, 95 (20 on foot, 75 by car). ► Pied-billed Grebe, 2; Great Blue Heron, 5; Mallard, 4650; Black Duck, 6; Gadwall, 20; Pintail, 562; Green-winged Teal, 14; Am. Widgeon, 12; Shoveler, 184; Wood Duck, 1; Redhead, 2; Ring-necked Duck, 10; Lesser Scaup, 13; Bufflehead, 12; Ruddy Duck, 3; duck (sp.), 2000; Turkey Vulture, 15; Black Vulture, 1; Red-tailed Hawk, **27** (1 Krider's); Red-shouldered Hawk, 1; Marsh Hawk, 43; Sparrow Hawk, 21; Bobwhite, 20; Am. Coot, 75; Killdeer, 154; Common Snipe, 69; Least Sandpiper, 100; Mourning Dove, 261; Barred Owl, 4; Belted Kingfisher, 6; Yellow-shafted Flicker, 54; Pileated Woodpecker, 3; Red-bellied Woodpecker, 23; Red-headed Woodpecker, 10; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 4; Downy Woodpecker, 6; Eastern Phoebe, 1; Horned Lark, 11; Blue Jay, 55; Common Crow, 27; Carolina Chickadee, 19; Tufted Titmouse, 13; Brown Creeper, 2; Bewick's Wren, 3; Carolina Wren, 7; **Short-billed Marsh Wren, 1** (B. C.); Mockingbird, 40; Brown Thrasher, 3; Robin, 1; Hermit Thrush, 3; Eastern Bluebird, 2; Golden-crowned Kinglet, 9; Ruby-crowned Kinglet, 13; Water Pipit, 27; Cedar Waxwing, 1; Loggerhead Shrike, 68; Starling, 1314; Myrtle Warbler, 1; House Sparrow, 153; Eastern Meadowlark, 296; Western Meadowlark, 3; Redwinged Blackbird, 5607; Rusty Blackbird, 11; Brewer's Blackbird, 152; Common Grackle, 3130; Brown-headed Cowbird, 520; blackbird (sp.), 3000; Cardinal, 126; Purple Finch, 5; **Pine Siskin, 8** (Mrs. C. S., H. D., Mrs. R. J.); Am. Goldfinch, 65; Rufous-sided Towhee, 14; Savannah Sparrow, 191; Le Conte's Sparrow, **11** (very low); Vesper Sparrow, 3; Slate-colored Junco, 75; Field Sparrow, 36; White-crowned Sparrow, 68; White-throated Sparrow, 174; Fox Sparrow, 15; Swamp Sparrow, 53; Song Sparrow, 154; Lapland Longspur, 269. **Total,** 83 species (1 additional race); about 24,155 individuals.—Irving T. Beach, A. L. Butler, Ben B. Coffey, Jr., H. H. Daniel, George Hoffman, Mrs. Ross L. Jamison, Keith Johnston, Paul K. McCoy, Dr. and Mrs. W. P. Scarlett, William M. Shepherd, Jr. (compiler), Mrs. Cliff Springer, Mr. and Mrs. Tom Wilson.

409. Texarkana, Ark.–Tex. (all points within a 15-mile diameter circle; part of last year's area plus new area of 445 acres; mostly woods, some fields, 2 large lakes).—Dec. 28; 7 a.m. to 5:15 p.m. Cloudy, heavy fog; temp. 40° to 49°; wind slight. Six observers in 1 party. Total party-hours, 10 (9 on foot, 1 by car); total party-miles, 32 (8 on foot, 24 by car). ► Pied-billed Grebe, 1; Great Blue Heron, 2; Shoveler, 3; Turkey Vulture, 4; Cooper's Hawk, 1; Red-shouldered Hawk, 2; Marsh Hawk, 1; Sparrow Hawk, 1; Bobwhite, 10; Killdeer, 5; Common Snipe, 2; Mourning Dove, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 17; Red-bellied Woodpecker, 5; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 1; Downy Woodpecker, 7; Eastern Phoebe, 2; Blue Jay, 22; Common Crow, 11; Carolina Chickadee, 8; Tufted Titmouse, 3; Brown Creeper, 1; Carolina Wren, 3; Mockingbird, 10; Brown Thrasher, 10; Robin, 6; Hermit Thrush, 4; Eastern Bluebird, 9; Golden-crowned Kinglet, 4; Ruby-crowned Kinglet, 7; Cedar Waxwing, 36; Loggerhead Shrike, 6; Starling, 37; Myrtle Warbler, 8; House Sparrow, 58; Eastern Meadowlark, 33; Redwinged Blackbird, 509; Rusty Blackbird, 3; Common Grackle, 84; Brown-headed Cowbird, 398; Cardinal, 42; Purple Finch, 2; Am. Goldfinch, 8; Rufous-sided Towhee, 4; Slate-colored Junco, 21; Field Sparrow, 31; White-throated Sparrow, 24; Fox Sparrow, 8; Swamp Sparrow, 2; Song Sparrow, 6. **Total,** 52 species; about 1489 individuals. (Seen in area count period, but not on count day: Pine Warbler, Brown-headed Nuthatch.)—N. A. Bentley, Charles Gardner, Mrs. Charles Gardner, Dale Gardner, Gale Gardner, Jack Logan.

410. New Orleans, La. (all points within a 15-mile diameter circle, center at New Mississippi River Bridge; lake front 5%, marsh 10%, wooded 20%, urban 65%).—Dec. 20; 5 a.m. to 5:30 p.m.; temp. 57° to 65°; wind S, 10-15 m.p.h. Nineteen observers in 4 parties. Total party-hours, 43 (28 on foot, 15 by car); total party-miles, 135 (28 on foot, 107 by car). ► Pied-billed Grebe, 62; Double-crested Cormorant, 1; Great Blue Heron, 15; Little Blue Heron, 4; **Cattle Egret, 1**; Common Egret, 29; **Least Bittern, 1**; Am. Bittern, 1; Wood Duck, 2; Ring-necked Duck, 143; Canvasback, 2; **Greater Scaup, 2**; Lesser Scaup, 549; Common Goldeneye, 2; Ruddy Duck, 1; Turkey Vulture, 30; Black Vulture, 32; Sharp-shinned Hawk, 5; Red-tailed Hawk, 9; Red-shouldered Hawk, 29; Marsh Hawk, 3; Pigeon Hawk, 1; Sparrow Hawk, 25; Bobwhite, 15; King Rail, 10; Clapper Rail, 1; Virginia Rail, **20**; Sora, 26; Common Gallinule, 12; Am. Coot, 94; Killdeer, 586; Common Snipe, 13; Least Sandpiper, 10; Dunlin, 15; **Long-billed Dowitcher, 35**; Semipalmated Sandpiper, 13; Western Sandpiper, 6; Herring Gull, 156; Ring-billed Gull, 220; Laughing Gull, 43; Bonaparte's Gull, 4; Gull-billed Tern, 1; Forster's Tern, 16; Common Tern, 2; Royal Tern, 6; Caspian Tern, 4; Mourning Dove, 242; Ground Dove, 1; Burrowing Owl, 1; Barred Owl, 3; **Rufous Hummingbird, 2**; Belted

Kingfisher, 29; Yellow-shafted Flicker, 73; Pileated Woodpecker, 7; Red-bellied Woodpecker, 29; Yellow-bellied Sapsucker, 23; Hairy Woodpecker, 1; Downy Woodpecker, 27; Eastern Phoebe, 23; Tree Swallow, **14,723**; Rough-winged Swallow, 11; Blue Jay, 134; Common Crow, 194; Fish Crow, 134; crow (sp.), 450; Carolina Chickadee, 102; Tufted Titmouse, 39; Brown Creeper, 1; House Wren, 18; Winter Wren, 2; Bewick's Wren, 1; Carolina Wren, 128; Long-billed Marsh Wren, 11; Short-billed Marsh Wren, 2; Mockingbird, 118; Catbird, **15**; Brown Thrasher, 29; Robin, 113; Hermit Thrush, 2; Eastern Bluebird, 2; Blue-gray Gnatcatcher, 19; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 36; Water Pipit, 228; **Sprague's Pipit, 2**; Cedar Waxwing, 42; Loggerhead Shrike, 30; Starling, 6941; White-eyed Vireo, 11; Solitary Vireo, 3; **Black-and-white Warbler, 1**; Orange-crowned Warbler, 54; Myrtle Warbler, 453; **Black-throated Green Warbler, 1**; Pine Warbler, 1; Yellowthroat, 42; Wilson's Warbler, 1; House Sparrow, 180; Eastern Meadowlark, 168; Redwinged Blackbird, 9976; Boat-tailed Grackle, 113; Common Grackle, 1361; Brown-headed Cowbird, 130; Cardinal, 383; Purple Finch, 13; Am. Goldfinch, 146; Rufous-sided Towhee, 31; Savannah Sparrow, 146; Vesper Sparrow, 4; White-crowned Sparrow, 1; White-throated Sparrow, 258; Lincoln's Sparrow, 2; Swamp Sparrow, 148; Song Sparrow, 8. **Total,** 113 species; about 39,881 individuals. (Seen in area count period, but not on count day: White-winged Dove, Ruby-throated Hummingbird, Field Sparrow.)—R. Cambre, Mrs. J. D. Cuthell, A. E. Eigenbrod, H. A. J. Evans (compiler), Mrs. H. A. J. Evans, R. Feingold, S. Gauthreaux, Jr., J. P. Gee, Mrs. M. H. Hobbs, Mrs. Maureen Jarrell, E. Lowe, B. M. Myers, Jr., Mac Myers, Robert Norris, S. M. Russell, J. C. Scott, Ava Tabor, Matt Turk, D. Weber.

411. Reserve, La. (all points within a 15-mile diameter circle, center 2 miles NE of Laplace, including Bonnet Carre Spillway, Frenier, Reserve, Edgard; swamp 50%, deciduous woods 5%, water 5%, marsh 20%, fields 20%).—Dec. 30; 5:30 a.m. to 6 p.m. Cloudy; temp. 46° to 52°; wind N, 5-10 m.p.h. Four observers in 2 parties. Total party-hours, 32 (30 on foot, 2 by car); total party-miles, 68 (30 on foot, 38 by car). ► Great Blue Heron, 1; Little Blue Heron, 65; Common Egret, 15; Louisiana Heron, 10; White Ibis, 80; Mallard, 10; Blue-winged Teal, 3; Wood Duck, 3; Lesser Scaup, 3; Turkey Vulture, 2; Black Vulture, 2; Sharp-shinned Hawk, 1; Red-tailed Hawk, 4; Red-shouldered Hawk, 13; Marsh Hawk, 2; Sparrow Hawk, 7; King Rail, 5; Clapper Rail, 15; Virginia Rail, 2; Sora, 10; Killdeer, 136; Common Snipe, 9; Spotted Sandpiper, 2; Herring Gull, 2; Ring-billed Gull, 37; Mourning Dove, 14; Ground Dove, 5; Barred Owl, 39; Belted Kingfisher, 5; Yellow-shafted Flicker, 103; Pileated Woodpecker, 20; Red-bellied Woodpecker, 14; Yellow-bellied Sapsucker, 15; Hairy Woodpecker, 6; Downy Woodpecker, 9; Eastern Phoebe, 17; Tree Swallow, 300; Blue Jay, 73; Common Crow, 365; Fish Crow, 40; Carolina Chickadee, 92; Tufted Titmouse, 9; House Wren, 16; Winter Wren, 2; Carolina Wren, 44; Long-billed Marsh Wren, 4; Short-billed Marsh Wren, 3; Mockingbird, 37; Catbird, 1; Brown Thrasher, 41; Robin, 43; Eastern Bluebird, 2; Blue-gray Gnatcatcher, 25; Ruby-crowned Kinglet, 54; Water Pipit, 226; Cedar Waxwing, 37; Loggerhead Shrike, 21; Starling, 498; White-eyed Vireo, 3; Orange-crowned Warbler, 20; Myrtle Warbler, 147; Pine Warbler, 3; Yellowthroat, 69; Wilson's Warbler, 1; House Sparrow, 120; Eastern Meadowlark, 310; Redwinged Blackbird, 6260; Common Grackle, 47; Brown-headed Cowbird, 3; Cardinal, 175; Purple Finch, 15; Am. Goldfinch, 410; Rufous-sided Towhee, 40; Savannah Sparrow, 52; Vesper Sparrow, 4; White-throated Sparrow, 458; Swamp Sparrow, 315; Song Sparrow, 2. **Total,** 78 species; about 11,073 individuals.—Ralph F. Cambre, Ronald J. Stein, David J. Weber (compiler), Melvin T. Weber.

412. Sabine National Wildlife Refuge, La. (all points within a 15-mile diameter circle, center in west cove of Calcasieu Lake 5½ miles NW of Cameron as last year; marsh 50%, woods 10%, lakes and bayous 20%, beach and jetties 7%, prairie 10%, town 3%).—Dec. 27; 12:15 a.m. to 6:15 p.m. Partly cloudy to overcast, fog until 11 a.m.; temp. 48° to 62°; wind SW to N to E, 3-18 m.p.h. Twenty-two observers in 6 parties. Total party-hours, 71 (47 on foot, 16 by car, 8 by boat); total party-miles, 271 (51 on foot, 154 by car, 66 by boat). ► Pied-billed Grebe, 131; White Pelican, 426; Double-crested Cormorant, 923; Olivaceous Cormorant, 70; Great Blue Heron, 131; Little Blue Heron, 139; Common Egret, 277; Snowy Egret, 226; Louisiana Heron, 212; Black-crowned Night Heron, 7; Yellow-crowned Night Heron, 4; Am. Bittern, 6; White-faced Ibis, 358; Canada Goose, 862; White-fronted Goose, 1500; Snow Goose, 6000; Blue Goose, 28,000; Mallard, 1316; Black Duck, **23** (4 parties); Mottled Duck, 8; Gadwall, 65; Pintail, 233; Green-winged Teal, 282; Blue-winged Teal, 156; Am. Widgeon, 147; Shoveler, 104; Wood Duck, 4; **Greater Scaup, 6** (J. G., M. M.); Lesser Scaup, 513; Common Goldeneye, 25; Bufflehead, 4; Ruddy Duck, 7; Hooded Merganser, 4; Red-breasted Merganser, 14; Turkey Vulture, 26; Black Vulture, 1; Sharp-shinned Hawk, 1; Red-tailed Hawk, 18; Red-shouldered Hawk, 2; Marsh Hawk, 45; Peregrine Falcon, 2; Pigeon Hawk, 5; Sparrow Hawk, 72; Bobwhite, 11; King Rail, 14; Clapper Rail, **60**; Virginia Rail, 6; Sora, 13; **Purple Gallinule, 1** (carefully identified—A. T.); Common Gallinule, 30; Am. Coot, **10,917** (10,000 on Refuge); Semipalmated Plover, 22; Piping Plover, 2; Killdeer, 347; Black-bellied Plover, 105; Ruddy Turnstone, 13; Am. Woodcock, 3; Common Snipe, 152; Long-billed Curlew, 2; Spotted Sandpiper, 3; Willet, 5; Greater Yellowlegs, 29; Lesser Yellowlegs, 14; Least Sandpiper, 4; Dunlin, 431; Short-billed Dowitcher, 4; Semipalmated Sandpiper, 310; Western Sandpiper, 93; Marbled Godwit, 2; Sanderling, 38; Am. Avocet, 7; Herring Gull, 133; Ring-billed Gull, 493; Laughing Gull, 621; Bonaparte's Gull, 16; Gull-billed Tern, 13; Forster's Tern, 70; Common Tern, 10; Royal Tern, 106; Caspian Tern,

34; Black Skimmer, 650; Mourning Dove, 29; Ground Dove, 5; Barn Owl, 3; Screech Owl, 6; Great Horned Owl, 2; Burrowing Owl, 3; Short-eared Owl, 2; Belted Kingfisher, 67; Yellow-shafted Flicker, 29; Red-bellied Woodpecker, 9; Red-headed Woodpecker, 5; Yellow-bellied Sapsucker, 14; Hairy Woodpecker, 2; Downy Woodpecker, 2; Eastern Phoebe, 15; Tree Swallow, 384; Rough-winged Swallow, 1; Blue Jay, 47; **Common Crow, 6** (calling—3 parties); Fish Crow, 228; Carolina Chickadee, 2; Brown Creeper, 2; House Wren, 20; Carolina Wren, 1; Long-billed Marsh Wren, 21; Short-billed Marsh Wren, 70; Mockingbird, 48; Brown Thrasher, 68; Robin, 19; Hermit Thrush, 1; Blue-gray Gnatcatcher, 117; Ruby-crowned Kinglet, 60; Water Pipit, 246; Sprague's Pipit, 2; Cedar Waxwing, 118; Loggerhead Shrike, 85; Starling, 506; White-eyed Vireo, 1; Solitary Vireo, 4; Orange-crowned Warbler, 33; **Parula Warbler, 1** (J. V.); Myrtle Warbler, 48; Palm Warbler, 3; Yellowthroat, 42; Yellow-breasted Chat, 1 (S. G.); Wilson's Warbler, 1; House Sparrow, 131; Eastern Meadowlark, 237; Western Meadowlark, 6; Redwinged Blackbird, 5308; **Scott's Oriole, 1** (collected, new for State—S. G.); Rusty Blackbird, 5; Brewer's Blackbird, 12; Boat-tailed Grackle, 1046; Common Grackle, 85; Brown-headed Cowbird, 16; Cardinal, 54; Am. Goldfinch, 10; Rufous-sided Towhee, 8; Savannah Sparrow, 105; Sharp-tailed Sparrow, 29; Seaside Sparrow, 147; Vesper Sparrow, 9; **Lark Sparrow, 1** (R. F.); **Tree Sparrow, 4** (carefully identified—R. F.); Chipping Sparrow, 2; Field Sparrow, 5; **Harris' Sparrow, 3** (R. N. party); White-crowned Sparrow, 3; White-throated Sparrow, 372; Fox Sparrow, 7; Lincoln's Sparrow, 14; Swamp Sparrow, 174; Song Sparrow, 23. **Total,** 155 species; about 67,305 individuals. [Exceptionally neat, carefully prepared report with excellent details for all unusual observations—Ed.]—Ralph Cambre, Marshall B. Eyster, Rose Feingold, Sidney A. Gauthreaux, Jr., John P. Gee (compiler), Electa D. Levi, Dr. and Mrs. Torsten Malmberg, Mac Myers, Kent E. Myers, Mr. and Mrs. Robert Moore, Johnny Mouton, Robert Norris, Charles L. Payne, Steven M. Russell, Ronald Stein, Ava R. Tabor, Mathew Turk, S. J., Mr. and Mrs. Jared Verner, David Weber.

413. St. Francisville, La. (all points within a 15-mile diameter circle, center 7 miles south of St. Francisville as in 1945 and subsequent years; river and lake shore 30%, fields 28%, deciduous bottomland 27%, hardwood upland 10%, marsh 3%, pine woods 2%).—Dec. 21; 5:30 a.m. to 5:30 p.m. Clear; temp. 35° to 67°; wind E, 5 m.p.h. Nineteen observers in 8 parties. Total party-hours, 81 (54 on foot, 27 by car); total party-miles, 260 (44 on foot, 216 by car). ► Common Loon, 2; Horned Grebe, 4; Eared Grebe, 1; Pied-billed Grebe, 114; White Pelican, 2; Great Blue Heron, 16; Common Egret, 54; Mallard, 30; **Black Duck, 3** (first count record—R. D.); Gadwall, 17; Pintail, 3; Green-winged Teal, 6; Blue-winged Teal, 4; Am. Widgeon, 6; Wood Duck, 14; Redhead, 1; Ring-necked Duck, 100; Canvasback, 42; Lesser Scaup, 907; Common Goldeneye, 2; Bufflehead, 12; Ruddy Duck, 1000; **Hooded Merganser, 5** (G. L.); Common Merganser, 5; Turkey Vulture, 32; Black Vulture, 215; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 23; Red-shouldered Hawk, 19; Marsh Hawk, 1; Sparrow Hawk, 34; Bobwhite, 1; King Rail, 1; Sora, 7; Am. Coot, 1700; Killdeer, 294; Am. Woodcock, 3; Common Snipe, 38; Spotted Sandpiper, 6; **Solitary Sandpiper, 1** (carefully identified—R. D.); Least Sandpiper, 5; Herring Gull, 1; Ring-billed Gull, 38; Forster's Tern, 1; Mourning Dove, 32; Screech Owl, 1; Great Horned Owl, 2; Barred Owl, 26; Belted Kingfisher, 26; Yellow-shafted Flicker, 73; Pileated Woodpecker, 13; Red-bellied Woodpecker, 89; Red-headed Woodpecker, 16; Yellow-bellied Sapsucker, 42; Hairy Woodpecker, 18; Downy Woodpecker, 97; Eastern Phoebe, 35; Tree Swallow, 22; Blue Jay, 221; Common Crow, 221; Fish Crow, 119; Carolina Chickadee, 105; Tufted Titmouse, 109; Brown Creeper, 3; House Wren, 15; Winter Wren, 5; Bewick's Wren, 7; Carolina Wren, 115; Short-billed Marsh Wren, 3; Mockingbird, 165; Brown Thrasher, 95; Robin, 108; Hermit Thrush, 12; Eastern Bluebird, 21; Blue-gray Gnatcatcher, 27; Golden-crowned Kinglet, 5; Ruby-crowned Kinglet, 94; Water Pipit, 247; Loggerhead Shrike, 82; Starling, 2110; White-eyed Vireo, 1; Solitary Vireo, 6; Orange-crowned Warbler, 26; Myrtle Warbler, 170; Pine Warbler, 34; Palm Warbler, 2; Yellowthroat, 22; House Sparrow, 166; Eastern Meadowlark, 289; Western Meadowlark, 6; Redwinged Blackbird, 29,913; Rusty Blackbird, 319; Brewer's Blackbird, 2; Common Grackle, 33,308; Brown-headed Cowbird, 947; Cardinal, 499; Am. Goldfinch, 206; Rufous-sided Towhee, 116; Savannah Sparrow, 117; Le Conte's Sparrow, 3; Vesper Sparrow, 12; Field Sparrow, 30; White-crowned Sparrow, 2; White-throated Sparrow, 2138; Fox Sparrow, 24; Lincoln's Sparrow, 2; Swamp Sparrow, 121; Song Sparrow, 22. **Total,** 109 species; about 77,657 individuals.—Delwyn G. Berrett, Fred J. Buchmann, Phillip S. Callahan, P. Ambrose Daigre, Mr. and Mrs. Robert K. Dix, Mr. and Mrs. Clifton C. Garvin, George H. Lowery, Mr. and Mrs. Torsten Malmberg, Mary Ann Moore, Robert B. Moore (compiler), Robert J. Newman, Stephen M. Russell, Ellen A. Taylor, Mr. and Mrs Jared Verner, Stuart Warter.

414. Shreveport, La. (all points within a 15-mile diameter circle, center same as last year).—Dec. 20; 5 a.m. to 6 p.m. Partly cloudy; temp. 38° to 57°; wind N, 6-18 m.p.h. Nine observers in 7 parties. Total party-hours, 70 (43 on foot, 20 by car, 7 in boat); total party-miles, 362 (48 on foot, 294 by car, 20 by boat). ► Common Loon, 8; Eared Grebe, 1; Pied-billed Grebe, 10; Great Blue Heron, 20; Common Egret, 1; **Little Blue Heron, 1**; Canada Goose, 2; **Snow Goose, 6**; **Blue Goose, 21**; Mallard, 12; Pintail, 2; Wood Duck, 42; Ring-necked Duck, 1; Canvasback, 151; Lesser Scaup, 3; Ruddy Duck, 71; Hooded Merganser, 1; Red-breasted Merganser, 1; Turkey Vulture, 52; Black Vulture, 25; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 11 (1 *krideri*); Red-shouldered Hawk, 3;

Rough-legged Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 19; Bobwhite, 45; Am. Coot, 3; Killdeer, 149; Am. Woodcock, 1; Common Snipe, 24; Least Sandpiper, 20; Ring-billed Gull, 233; Bonaparte's Gull, **20**; Mourning Dove, 164; Roadrunner, 1; Screech Owl, 3; Great Horned Owl, 2; Barred Owl, 6; Belted Kingfisher, 14; Yellow-shafted Flicker, 142; Pileated Woodpecker, 5; Red-bellied Woodpecker, 72; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 36; Hairy Woodpecker, 8; Downy Woodpecker, 19; Red-cockaded Woodpecker, 9; Eastern Phoebe, 15; **Vermilion Flycatcher, 1** (still present Jan. 1); Blue Jay, 249; Common Crow, 253; Carolina Chickadee, 154; Tufted Titmouse, 118; White-breasted Nuthatch, 21; Red-breasted Nuthatch, 2; Brown-headed Nuthatch, 61; Brown Creeper, 3; House Wren, 3; Winter Wren, 4; Bewick's Wren, 9; Carolina Wren, 110; Short-billed Marsh Wren, 2; Mockingbird, 141; **Catbird, 1**; Brown Thrasher, 69; Robin, 87; Hermit Thrush, 40; Eastern Bluebird, 170; Golden-crowned Kinglet, 87; Ruby-crowned Kinglet, 201; **Blue-gray Gnatcatcher, 1** (G. D. H.); Water Pipit, 40; Cedar Waxwing, 152; Loggerhead Shrike, 53; Starling, 10,500; Orange-crowned Warbler, 5; Myrtle Warbler, 114; Pine Warbler, **98**; House Sparrow, 650; Eastern Meadowlark, 469; Western Meadowlark, 3; Redwinged Blackbird, 2600; Rusty Blackbird, 28; Brewer's Blackbird, 214; Common Grackle, 368; Brown-headed Cowbird, 177; Cardinal, 510; Purple Finch, 4; Pine Siskin, 4; Am. Goldfinch, 356; Rufous-sided Towhee, 80; Savannah Sparrow, 99; Le Conte's Sparrow, 9; Vesper Sparrow, 1; Slate-colored Junco, 805; Oregon Junco, 3; Chipping Sparrow, 64; Field Sparrow, 267; Harris' Sparrow, 6; White-crowned Sparrow, 10; White-throated Sparrow, 1240; Fox Sparrow, 68; Lincoln's Sparrow, 9; Swamp Sparrow, 154; Song Sparrow, 145; Lapland Longspur, 6. **Total,** 108 species (1 additional race); about 22,561 individuals. (Seen in area count period, but not on count day: Green-winged Teal, Fish Crow.)—Eugene H. Fleming, G. Dale Hamilton, Mrs. Horace C. Hearne, L. G. Huey, Horace H. Jeter (compiler), Mrs. Lewis Jones, Robert L. Lance, O. C. Sheffield, James R. Stewart, Jr.

415. Arrowwood National Wildlife Refuge, N. Dak. (all points within a 15-mile diameter circle, center Refuge Headquarters; south on east side of James River to Secondary Headquarters area, thence north on west side of James River to Highway 9, thence south along east side of Arrowwood Lake, including 2 recreational areas, and return to Refuge Headquarters).—Dec. 30; 8 a.m. to 4:30 p.m.; temp. 4° to 26°; wind SE, 0-5 m.p.h. Three observers in 1 party. Total party-hours, 8½ (3 on foot, 5½ by car); total party-miles, 36 (6 on foot, 30 by car). ► Golden Eagle, 1; Bald Eagle, 1; Sharp-tailed Grouse, 14; Ring-necked Pheasant, 5; Gray Partridge, 6; Great Horned Owl, 4; Downy Woodpecker, 3; Black-billed Magpie, 31; Black-capped Chickadee, 5; Bohemian Waxwing, 99; House Sparrow, 50; Common Redpoll, 100; Lapland Longspur, 300; Snow Bunting, 2000. **Total,** 14 species; about 2619 individuals. (Seen in area count period, but not on count day: Snowy Owl, Short-eared Owl.)—John R. Frye (compiler), Corlie E. Hall, Robert M. Lysne.

416. Bismarck, N. Dak. (all points within a 15-mile diameter circle, center State Capitol Building; deciduous bottomland 20%, mixed conifers and hardwoods at Experiment Station and tree nursery 30%, bottomland fields and meadows 20%, upland fields and prairie 17%, farmsteads and feedlots 5%, weed fields 3%, urban 5%).—Dec. 21; 8 a.m. to 5:15 p.m. Overcast; temp. 13° to 20°; wind SSE, 9-10 m.p.h.; 4-in. snow on ground, a few small areas of open water on Missouri River. Four observers in 3 parties. Total party-hours, 10 (5 on foot, 5 by car); total party-miles, 108 (4 on foot, 104 by car). ► Mallard, 5; Red-tailed Hawk, 1; Rough-legged Hawk, 1; Prairie Falcon, 1; Sharp-tailed Grouse, 17; Ring-necked Pheasant, 45; Great Horned Owl, 1; Hairy Woodpecker, 1; Downy Woodpecker, 2; Horned Lark, 21; Blue Jay, 6; Black-billed Magpie, 4; Black-capped Chickadee, 13; White-breasted Nuthatch, 3; Robin, 13; Townsend's Solitaire, 1; Bohemian Waxwing, 448; Cedar Waxwing, 32; Northern Shrike, 1; Starling, 12; House Sparrow, 1210; Redwinged Blackbird, 10; Common Grackle, 3; Purple Finch, 5; Common Redpoll, 150; Am. Goldfinch, 8; Slate-colored Junco, 3; Tree Sparrow, 25; Snow Bunting, 27. **Total,** 29 species; about 2069 individuals.—K. J. Johnson, Norton Johnson, R. N. Randall (compiler), Betty Stephens (Bismarck Audubon Society).

417. Des Lacs National Wildlife Refuge, N. Dak. (all points within a 15-mile diameter circle, center Refuge Headquarters, including refuge coulees and lakeshores, Kenmare, surrounding farmlands; open fields and prairie 80%, wooded coulees and lakeshore 20%).—Dec. 28; 8:30 a.m. to 5 p.m. Clear to partly cloudy; temp. 12° to 26°; wind NW, 15-20 m.p.h.; 8-in. snow on ground, water areas frozen. Eighteen observers in 7 parties. Total party-hours, 52 (12 on foot, 40 by car and jeep); total party-miles, 483 (21 on foot, 462 by car and jeep). ► Golden Eagle, 2; Sharp-tailed Grouse, 158; Ring-necked Pheasant, 37; Gray Partridge, 347; Great Horned Owl, 1; Long-eared Owl, 1; Hairy Woodpecker, 4; Downy Woodpecker, 2; Black-billed Magpie, 67; Black-capped Chickadee, 28; Robin, 2; Bohemian Waxwing, 304; Northern Shrike, 1; Starling, 57; House Sparrow, 641; **Rusty Blackbird, 1** (carefully identified); **Evening Grosbeak, 1**; Lapland Longspur, 4; Snow Bunting, 727. **Total,** 19 species; about 2385 individuals. (Seen in area count period, but not on count day: Snowy Owl.)—Don Berg, Mr. and Mrs. Herbert Bodmer, Homer Bradley, Mary Susan Bradley, Dr. and Mrs. Robert Gammell (compilers), George Gard, Heath Gross, Robert Gross, James McCulley, L. E. McCulley, A. J. Pederson, Rodli Pederson, Lyla Rytter, Russell Rytter, Viggo Rytter, Walter Thompson (Kenmare Bird Club).

418. Fargo, N. Dak.–Moorhead, Minn. (all points within a 15-mile diameter circle, center on Red River 4½ miles north of Fargo, including Red

River Valley from Riverside Cemetery north to confluence of Red and Sheyenne Rivers, portions of both Sheyenne and Buffalo Rivers; agricultural land 26%, city parks and cemetery 25%, flood plain deciduous growth 22%, deciduous shelterbelts 13%, coniferous shelterbelts 5%, city 5%, oak woods 2%, marsh 2%). —Dec. 27; 7:30 a.m. to 4:50 p.m. Overcast; temp. 24° to 28°; wind N to SE, 3-11 m.p.h.; 1-in. old snow, scattered drifts, smaller streams frozen, Red River open several places north of Fargo; 2 weeks previous to census period very cold, less so during census period. Five observers in 2-5 parties. Total party-hours, 18 (13 on foot, 5 by car); total party-miles, 114 (23 on foot, 91 by car). ► Ring-necked Pheasant, 47; Great Horned Owl, 2; Yellow-shafted Flicker, 2 (J. A., D. N.); Hairy Woodpecker, 7; Downy Woodpecker, 11; Blue Jay, 5; Common Crow, 15; Black-capped Chickadee, 43; White-breasted Nuthatch, 31; Brown Creeper, 5; Robin, 1 (D. N.); waxwing, 116 (only Cedars identified); Northern Shrike, 1; Starling, 25; House Sparrow, 494; Cardinal, 2; Slate-colored Junco, 1; Snow Bunting, 23; unidentified, 2. **Total,** 18 species; about 833 individuals.—John F. Anderson, J. Frank Cassel (compiler), Dr. and Mrs. Frank M. Melton, David M. Noetzel.

419. Grand Forks County, N. Dak. (all points within a 15-mile diameter circle, center 3 miles west of Grand Forks Airport as last year; cultivated prairie, pasture, and hay land 90%, wooded Red River banks and city of Grand Forks 10%).—Dec. 20; 8:15 a.m. to 4:45 p.m. Partly cloudy to clear; temp. -2° to 6°; wind NNE, 3-5 m.p.h.; 17-in. snow on ground. Three observers in 1 party. Total party-hours, 8½ (4 on foot, 4½ by car); total party-miles, 88 (6 on foot, 82 by car). ► Gray Partridge, 6; Snowy Owl, 1; Downy Woodpecker, 3; Black-capped Chickadee, 3; White-breasted Nuthatch, 2; **Northern Shrike,** 1 (carefully identified); Starling, 55; House Sparrow, 540. **Total,** 8 species; about 610 individuals. (Seen in area count period, but not on count day: Hairy Woodpecker, Bohemian Waxwing.)—Gyman Okeson, E. W. Pfeiffer, Lawrence Summers (compiler).

420. Snake Creek National Wildlife Refuge, N. Dak. (all points within a 15-mile diameter circle, center at Big Bend, including Refuge and part of Missouri River bottom below Garrison Dam south of Riverdale).—Dec. 30; 8 a.m. to 6 p.m.; temp. 21° to -3°; wind SW, 10 m.p.h. Two observers in 2 parties. Total party-hours, 10 (5 on foot, 5 by car); total party-miles, 43 (8 on foot, 35 by car). ► Mallard, 80; Sharp-tailed Grouse, 24; Ring-necked Pheasant, 13; Gray Partridge, 17; Black-billed Magpie, 14; Black-capped Chickadee, 4; White-breasted Nuthatch, 1; Northern Shrike, 1; Starling, 3; House Sparrow, 209; Lapland Longspur, 11; Snow Bunting, 20. **Total,** 12 species; about 397 individuals. (Seen in area count period, but not on count day: Bufflehead, Golden Eagle, Bald Eagle, Snowy Owl, Great Horned Owl, Short-eared Owl, Horned Lark, Hairy Woodpecker, Common Crow, Robin, Cedar Waxwing.)—Blaine Meier, Jerald Wilson (compiler).

421. Brookings, S. Dak. (all points within a 15-mile diameter circle, center at Volga, including Oakwood Lakes and Lake Campbell; river forests 40%, marshes and lakes 19%, cedar grove 1%, open fields 40%).—Dec. 28; 8 a.m. to 5 p.m. Overcast; temp. 34° to 40°; wind NNW, 20 m.p.h.; little snow on ground, streams mostly covered with ice. Eight observers in 1-3 parties. Total party-hours, 14 (10 on foot, 4 by car); total party-miles, 104 (26 on foot, 78 by car). ► Ring-necked Pheasant, 173; Screech Owl, 2; Great Horned Owl, 1; Yellow-shafted Flicker, 4; Red-bellied Woodpecker, 3; Hairy Woodpecker, 5; Downy Woodpecker, 21; Horned Lark, 4; Blue Jay, 2; Common Crow, 9; Black-capped Chickadee, 45; White-breasted Nuthatch, 16; Cedar Waxwing, 95; Starling, 103; House Sparrow, 183; Western Meadowlark, 1; Common Redpoll, 2; Am. Goldfinch, 36; Slate-colored Junco, 8; Tree Sparrow, 11. **Total,** 20 species; about 724 individuals. (Seen in area count period, but not on count day: **Bohemian Waxwing, Harris' Sparrow,** Lapland Longspur.) —David Holden, Mrs. David Holden (compiler), Gerald Myers, Edward Olson, Mr. and Mrs. C. A. Taylor, David Taylor, Sam Zilke.

422. Huron, S. Dak. (all points within a 15-mile diameter circle, center on Highway 37, 4½ miles south of Huron; riverbottom deciduous trees and brush 4%, cemetery and parks 2%, tree strips 6%, residential area 15%, prairie 73%).—Dec. 20; 7:30 a.m. to 5 p.m. Cloudy; temp. 14° to 24°; no wind. Six observers in 1 party. Total party-hours, 9½ (2 on foot, 7½ by car); total party-miles, 94 (3 on foot, 91 by car). ► Common Merganser, 1; Ring-necked Pheasant, 129; Great Horned Owl, 4; Yellow-shafted Flicker, 1; Red-shafted Flicker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 6; Horned Lark, 43; Blue Jay, 2; Black-billed Magpie, 2; Common Crow, 18; Black-capped Chickadee, 7; White-breasted Nuthatch, 1; Brown Creeper, 1; Robin, 4; Townsend's Solitaire, 2; Starling, 525; House Sparrow, 225; Western Meadowlark, 4; Pine Siskin, 2; Am. Goldfinch, 2; Slate-colored Junco, 2; Tree Sparrow, 27; Harris' Sparrow, 4. **Total,** 24 species; about 1016 individuals. (Seen in area count period, but not on count day: Bohemian Waxwing, Common Redpoll.) —Blanche Battin, J. W. Johnson (compiler), Mrs. Lucille Johnson, Mary Aberdeen Ketelle, Mrs. Carrie Pierce, Mrs. Grace Wright.

423. Lacreek National Wildlife Refuge, S. Dak. (all points within a 15-mile diameter circle, center at Refuge Headquarters 14 miles SE of Martin).—Dec. 30; 8 a.m. to 4:30 p.m. Clear; temp. 15° to 35°; wind SW, 0-5 m.p.h.; no snow covering, pools mostly frozen, open water in channels. Two observers in 1 party. Total party-hours, 17 (5 on foot, 12 by car); total party-miles, 29 (6 on foot, 23 by car). ► Canada Goose, 110 (mostly captives); Mallard, 22,700; Ring-necked Duck, 1; Common Goldeneye, 60; Rough-legged Hawk, 5; Golden Eagle, 9; Marsh Hawk, 13; Sharp-tailed Grouse, 1; Ring-necked Pheasant, 520; Great Horned Owl, 5; Short-eared Owl, 13; Red-shafted Flicker, 3; Downy Wood-

pecker, 3; Black-billed Magpie, 4; Common Crow, 2; Black-capped Chickadee, 8; Northern Shrike, 2; House Sparrow, 8; Western Meadowlark, 3; Red-winged Blackbird, 11; Common Grackle, 1; Tree Sparrow, 135. **Total,** 22 species; about 23,617 individuals. (Seen in area count period, but not on count day: Common Merganser, Bald Eagle, Prairie Falcon, Horned Lark, Common Redpoll, Lapland Longspur.) —Forrest W. Brooks, Charles A. Hughlett (compiler).

424. Lake Andes and Fort Randall Reservoir, S. Dak. (all points within a 15-mile diameter circle, center 2 miles west of Lake Andes, including White Swan Bottoms of Fort Randall Reservoir, town of Lake Andes, Lake Andes National Wildlife Refuge; open water 20%, river break hills 15%, farmland 60%, town 5%).—Jan. 1; 9 a.m. to 5 p.m. Overcast to clear; temp. 25°; wind NW, 0-10 m.p.h.; ground bare, reservoir ¾ frozen. Two observers in 1 party. Total party-hours, 8 (1 on foot, 7 by car); total party-miles, 53 (1 on foot, 52 by car). ► Canada Goose, 371; Mallard, 260,000; Gadwall, 1; Pintail, 3; Green-winged Teal, 6; Am. Widgeon, 10; Wood Duck, 1; Ring-necked Duck, 2; Lesser Scaup, 6; Common Goldeneye, 49; Bufflehead, 1; Common Merganser, 177; Golden Eagle, 1; Bald Eagle, 20; Pigeon Hawk, 1; Ring-necked Pheasant, 19; Am. Coot, 35; Herring Gull, 44; Great Horned Owl, 1; Hairy Woodpecker, 1; Horned Lark, 63; Black-billed Magpie, 1; House Sparrow, 150; Western Meadowlark, 5; Slate-colored Junco, 5; Song Sparrow, 3. **Total,** 26 species; about 260,976 individuals.—A. McGlauchlin, D. McGlauchlin (compiler).

425. Madison, S. Dak. (all points within a 15-mile diameter circle, center on Egan and Center Avenues, including Lake Madison, Long Lake, Lake Herman).—Dec. 28; 8 a.m. to 5 p.m. Cloudy; temp. 20° to 25°; wind NW, 20 m.p.h. Two observers in 1 party. Total party-hours, 9 (1 on foot, 8 by car); total party-miles, 193 (6 on foot, 187 by car). ► Ring-necked Pheasant, 365; Great Horned Owl, 2; Yellow-shafted Flicker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 7; Horned Lark, 332; Blue Jay, 2; Common Crow, 35; Black-capped Chickadee, 11; White-breasted Nuthatch, 2; Starling, 101; House Sparrow, 556; Western Meadowlark, 9; Redwinged Blackbird, 9; Cardinal, 1; Am. Goldfinch, 82; Slate-colored Junco, 7; Tree Sparrow, 2. **Total,** 18 species; about 1525 individuals.—Darlene Doerr, Dennis Doerr (compiler).

426. Rapid City, S. Dak. (all points within a 15-mile diameter circle, center Dinosaur Park in Rapid City, including South and Rapid Canyons, bottomlands of Box Elder, Rapid, Lime, and Spring Creeks; Ponderosa Pine forest 58%, deciduous streambottoms 25%, open plains grassland 12%, farmlands 3%, ponds and lakes 2%).—Dec. 28; 7 a.m. to 4:30 p.m. Overcast at dawn, then clear; temp. 21° to 32°; wind NNW, 20-38 m.p.h.; snow in sheltered spots. Twenty-two observers in 8 parties. Total party-hours, 70 (54 on foot, 16 by car); total party-miles, 320 (44 on foot, 276 by car). ► Mallard, 584; Gadwall, 10; Common Goldeneye, 15; **Hooded Merganser, 1** (thru 20x scope); Common Merganser, 9; **Turkey Vulture, 2** (seen well—L. Y.); **Red-tailed Hawk, 4** (1 each by 4 parties); Rough-legged Hawk, 5; Marsh Hawk, 1; Sparrow Hawk, 1; Sharp-tailed Grouse, 19; Ring-necked Pheasant, 40; Gray Partridge, 9; **Burrowing Owl, 2** (R. G.); Belted Kingfisher, 3; Red-shafted Flicker, 3; Hairy Woodpecker, 3; Downy Woodpecker, 15; Horned Lark, 2; Blue Jay, 13; Black-billed Magpie, 43; Common Crow, 8; Piñon Jay, **54**; Black-capped Chickadee, 148; White-breasted Nuthatch, 8; Red-breasted Nuthatch, 8; Brown Creeper, 2; Robin, 1; Townsend's Solitaire, 3; Golden-crowned Kinglet, 1; Loggerhead Shrike, 2; Starling, 43; House Sparrow, 222; Western Meadowlark, 2; Am. Goldfinch, 6; Red Crossbill, 2; **Vesper Sparrow, 1** (carefully identified—M. H.); White-winged Junco, **66**; Slate-colored Junco, 67; Oregon Junco, 15; junco (sp.), 35; Tree Sparrow, 32; Song Sparrow, 1. **Total,** 42 species; about 1511 individuals. (Seen in area count period, but not on count day: Golden Eagle, Cedar Waxwing, Evening Grosbeak.)—Gertrude Bachmann, Grace Bennett, Viola Brodsky, Lorene Brown, Mable Cummings, Dorothy Gray, Roland Gray, Ronald Gray, Mary Hyde, Dick Hurd, Peg Hurd, Mr. and Mrs. George Malcolm, Gertrude Millard, Esther Serr, Mr. and Mrs. Roy Sterrett, Susan Sterrett, N. R. Whitney (compiler), Clara Yarger, Lenord Yarger, Terry Yarger (Black Hills Audubon Society).

427. Sand Lake National Wildlife Refuge, S. Dak. (all points within a 15-mile diameter circle, center at building site 3; deciduous shelterbelts 35%, farmland 15%, marshes 10%, grassland 10%, lakes and ponds 20%, farm feed lots 5%, towns 5%).—Dec. 30; 8:15 a.m. to 4:45 p.m. Clear; temp. 3° to 22°; wind S, 13-18 m.p.h.; 0-2-in. crusted snow, 2 holes open in Sand Lake. Four observers in 2 parties. Total party-hours, 16 (13 on foot, 3 by car); total party-miles, 91 (14 on foot, 77 by car). ► Canada Goose, 15; Snow Goose, 1; Mallard, 5000; Rough-legged Hawk, 1; Bald Eagle, 1; Marsh Hawk, 1; Peregrine Falcon, 1; Pigeon Hawk, 1; Ring-necked Pheasant, 436; Great Horned Owl, 11; Short-eared Owl, 1; Yellow-shafted Flicker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 9; Horned Lark, 6; Blue Jay, 9; Black-billed Magpie, 2; Common Crow, 7; Black-capped Chickadee, 12; White-breasted Nuthatch, 8; Northern Shrike, 1; Starling, 6; House Sparrow, 349; Redwinged Blackbird, 115; Brewer's Blackbird, 1; Common Redpoll, 2; Am. Goldfinch, 39; Slate-colored Junco, 1; Tree Sparrow, 96. **Total,** 29 species; about 6136 individuals. (Seen in area count period, but not on count day: Snowy Owl.)—James Monnie (compiler), Dean Podoll, Elmer Podoll, Bruce Stollberg.

428. Sioux Falls, S. Dak. (all points within a 15-mile diameter circle, center at Rice Street and Cliff Avenue as in previous years).—Dec. 28; 8 a.m. to 5 p.m. Cloudy; temp. 27° to 35°; wind SW to NNW, 7-20 m.p.h.; snow in small patches, streams and lakes frozen. Thirty-six observers in 11 parties. Total party-

hours, 168 (90 on foot, 78 by car); total party-miles, 281 (61 on foot, 220 by car). ► Mallard, 7; Red-tailed Hawk, 5; Marsh Hawk, 2; Sparrow Hawk, 1; Ring-necked Pheasant, 192; Mourning Dove, 1; Barn Owl, 1; Screech Owl, 1; Great Horned Owl, 13; Short-eared Owl, 3; Belted Kingfisher, 1; Yellow-shafted Flicker, 52; Red-bellied Woodpecker, 3; Hairy Woodpecker, 22; Downy Woodpecker, 73; Horned Lark, 1; Blue Jay, 36; **Black-billed Magpie, 2**; Common Crow, 155; Black-capped Chickadee, 386; White-breasted Nuthatch, 79; Red-breasted Nuthatch, 9; Brown Creeper, 14; Robin, 1; **Bohemian Waxwing, 5**; Cedar Waxwing, 1; **Loggerhead Shrike, 1**; Starling, 722; House Sparrow, 2581; meadowlark (sp.), 10; Common Grackle, 1; Cardinal, 40; Am. Goldfinch, 12; Slate-colored Junco, 216; **Oregon Junco, 8**; Tree Sparrow, 134; Harris' Sparrow, 1; **Song Sparrow, 1**; Snow Bunting, 50. **Total,** 39 species; about 4843 individuals.—Charles Rogge, Willard N. Rosine (compiler) (Sioux Falls Audubon Society).

429. Waubay National Wildlife Refuge, S. Dak. (all points within a 15-mile diameter circle, centered to include entire 4651 acres of refuge 9 miles north of Waubay; water area 50%, deciduous woodland 25%, agricultural land 10%, prairie and meadows 15%).—Dec. 31; 8.30 a.m. to 5 p.m. Clear; temp. 4° to 27°; no wind; 6-in. hard packed snow. One observer. Total hours, 8 (6 on foot, 2 by car); total miles, 26 (6 on foot, 20 by car). ► Ring-necked Pheasant, 79; Great Horned Owl, 1; Hairy Woodpecker, 1; Black-billed Magpie, 1; Black-capped Chickadee, 8; Common Redpoll, 15. **Total,** 6 species; 105 individuals. (Seen in area count period, but not on count day: Gray Partridge, White-breasted Nuthatch, Bohemian Waxwing, Snow Bunting.)—J. C. Carlsen.

430. Yankton, S. Dak. (all points within a 15-mile diameter circle, center same as in previous years).—Dec. 26; 7:10 a.m. to 5:40 p.m. Scattered high clouds till noon, then clear; temp. 22° to 49°; wind SW, 0-12 m.p.h.; little snow in sheltered spots, Missouri River and Rhine Creek open, James River and Mud Creek frozen. Two observers in 1 party. Total party-hours, 10½ (4½ on foot, 6 by car); total party-miles, 79 (5 on foot, 74 by car). ► Mallard, 1; Marsh Hawk, 1; Bobwhite, 22; Ring-necked Pheasant, 20; Mourning Dove, 1; Great Horned Owl, 3; Yellow-shafted Flicker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 12; Blue Jay, 4; Common Crow, 6; Black-capped Chickadee, 15; White-breasted Nuthatch, 1; Robin, 2; Bohemian Waxwing, 4; Cedar Waxwing, 17; Northern Shrike, 1; Starling, 190; House Sparrow, 376; Western Meadowlark, 20; Redwinged Blackbird, 1; Cardinal, 8; Am. Goldfinch, 1; Slate-colored Junco, 22; Tree Sparrow, 105; Harris' Sparrow, 7. **Total,** 26 species; about 843 individuals. (Seen in area count period, but not on count day: Common Goldeneye, Common Merganser, Golden Eagle, Bald Eagle, Belted Kingfisher, Song Sparrow.)—Mr. and Mrs. Willis Hall.

431. Beatrice, Nebr. (all points within a 15-mile diameter circle, center 6th Street as last year).—Dec. 28; 7:30 a.m. to 5 p.m. Cloudy; temp. 33° to 40°; wind 2-25 m.p.h.; no snow, some ice. Eight observers in 3 parties. Total party-hours, 108 (10 on foot, 98 by car); total party-miles, 125 (9 on foot, 116 by car). ► Red-tailed Hawk, 10; Red-shouldered Hawk, 3; Rough-legged Hawk, 2; Marsh Hawk, 6; Sparrow Hawk, 9; Bobwhite, 20; Great Horned Owl, 2; Yellow-shafted Flicker, 7; Red-bellied Woodpecker, 1; Hairy Woodpecker, 10; Downy Woodpecker, 13; Horned Lark, 40; Blue Jay, 6; Common Crow, 104; Black-capped Chickadee, 102; Tufted Titmouse, 5; White-breasted Nuthatch, 6; Brown Creeper, 1; Robin, 30; Golden-crowned Kinglet, 6; Ruby-crowned Kinglet, 6; Cedar Waxwing, 10; Northern Shrike, 2; Starling, 200; House Sparrow, 273; Eastern Meadowlark, 34; Western Meadowlark, 123; Common Grackle, 2; Cardinal, 32; Am. Goldfinch, 457; Vesper Sparrow, 1; Slate-colored Junco, 117; Tree Sparrow, 373; Chipping Sparrow, 5; Harris' Sparrow, 130; White-crowned Sparrow, 3; Song Sparrow, 8. **Total,** 37 species; about 2159 individuals. (Seen in area count period, but not on count day: Ring-necked Pheasant, Mourning Dove.)—Vera Anderson (compiler), Mr. and Mrs. Paul Baier, Mrs. Mildred Luebben, Mr. and Mrs. John Ramming, Mary Sturmer, Nellie Watson (Beatrice Audubon Society).

432. Blair, Nebr. (all points within a 15-mile diameter circle, center 3½ miles west of Blair, including Missouri River bottoms; riverbottoms 20%, wooded bluffs 20%, pasture 10%, farm fields 40%, city lots 10%).—Dec. 29; 7 a.m. to 5 p.m. Partly cloudy; temp. 18° to 26°; wind 8-36 m.p.h. One observer. Total hours, 10 (7 on foot, 3 by car); total miles, 50 (8 on foot, 42 by car). ► Mallard, 14; Cooper's Hawk, 2; Red-tailed Hawk, 3; Sparrow Hawk, 7; Bobwhite, 7; Ring-necked Pheasant, 3; Mourning Dove, 5; Screech Owl, 1; Great Horned Owl, 1; Snowy Owl, 1; Yellow-shafted Flicker, 3; Hairy Woodpecker, 2; Downy Woodpecker, 14; Blue Jay, 8; Common Crow, 4; Black-capped Chickadee, 22; Tufted Titmouse, 5; White-breasted Nuthatch, 8; Brown Creeper, 5; Robin, 2; Golden-crowned Kinglet, 2; Cedar Waxwing, 23; Starling, 53; House Sparrow, 180; Eastern Meadowlark, 7; Redwinged Blackbird, 21; Brewer's Blackbird, 45; Cardinal, 7; Am. Goldfinch, 20; Slate-colored Junco, 342; Tree Sparrow, 70; Harris' Sparrow, 9; Song Sparrow, 2. **Total,** 33 species; about 898 individuals.—Mrs. Gertrude Wood.

433. Crescent Lake National Wildlife Refuge, Nebr. (all points within a 15-mile diameter circle, center in eastern portion of refuge; only eastern ¾ of refuge covered).—Dec. 31; 8 a.m. to 5 p.m.; temp. 25° to 40°; wind variable, slight; water areas frozen, partial snow cover. One observer. Total hours, 8 (all by car); total miles, 37 (all by car). ► Rough-legged Hawk, 2; Golden Eagle, 5; Ring-necked Pheasant, 240; Downy Woodpecker, 1; Horned Lark, 24; Black-billed Magpie, 6; Northern Shrike, 1; Redwinged Blackbird, 240; Savannah Sparrow,

800; Tree Sparrow, 23. **Total,** 10 species; about 1342 individuals. (Seen in area count period, but not on count day: Sharp-tailed Grouse, Great Horned Owl, Short-eared Owl, Starling, House Sparrow, Slate-colored Junco, Oregon Junco.)—Richard S. Rodgers.

434. Crete, Nebr. (all points within a 15-mile diameter circle, center same as in 1948 and subsequent years).—Dec. 27; 8 a.m. to 5 p.m. Clear; temp. 16° to 50°; wind N to NE, 0-10 m.p.h. Two observers in 1 party. Total party-hours, 9 (5 on foot, 4 by car); total party-miles, 50 (15 on foot, 35 by car). ► Mallard, 1; Red-tailed Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 2; Mourning Dove, 20; Great Horned Owl, 1; Yellow-shafted Flicker, 2; Red-bellied Woodpecker, 2; Downy Woodpecker, 7; Horned Lark, 100; Blue Jay, 1; Common Crow, 68; Black-capped Chickadee, 50; White-breasted Nuthatch, 8; Brown Creeper, 4; Robin, 1; Starling, 13; House Sparrow, 146; Western Meadowlark, 20; Cardinal, 4; Pine Siskin, 1; Am. Goldfinch, 25; Slate-colored Junco, 20; Tree Sparrow, 147; Harris' Sparrow, 3; Song Sparrow, 3. **Total,** 27 species; about 652 individuals. (Seen in area count period, but not on count day: Black-billed Magpie, Cedar Waxwing.)—Henry E. Baumgarten, William F. Rapp, Jr. (compiler).

435. Genoa, Nebr. (all points within a 15-mile diameter circle, center Genoa).—Dec. 23; 8 a.m. to 5 p.m.; temp. 28° to 48°; wind N, 25-30 m.p.h. One observer. Total hours, 9; total miles, 10 (4 on foot, 6 by car). ► Ring-necked Pheasant, 1; Yellow-shafted Flicker, 1; Red-shafted Flicker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 4; Blue Jay, 3; Common Crow, 3; Black-capped Chickadee, 6; White-breasted Nuthatch, 4; Brown Creeper, 1; Cedar Waxwing, 3; Western Meadowlark, 2; Cardinal, 3; Slate-colored Junco, 2. **Total,** 14 species; 37 individuals. (Seen in area count period, but not on count day: Cooper's Hawk, Great Horned Owl, Harris' Sparrow.)—C. E. Pearson.

436. Grand Island, Nebr. (all points within a 15-mile diameter circle, center same as last year).—Dec. 20; 8:30 a.m. to 5:30 p.m. Clear to partly cloudy; temp. 26° to 46°; wind S to SW, 11-35 m.p.h.; ground clear of snow, still water frozen, running water partially open. Five observers in 2 parties. Total party-hours, 11 (4 on foot, 7 by car); total party-miles, 93 (15 on foot, 78 by car). ► Cooper's Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 5; Bobwhite, 7; Ring-necked Pheasant, 12; Great Horned Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 8; Red-bellied Woodpecker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 8; Blue Jay, 2; Black-billed Magpie, 5; Common Crow, 77; Black-capped Chickadee, 44; White-breasted Nuthatch, 4; Red-breasted Nuthatch, 3; Brown Creeper, 4; Robin, 8; Eastern Bluebird, 5; Townsend's Solitaire, 1; Golden-crowned Kinglet, 5; Cedar Waxwing, 1; Starling, 58; House Sparrow, 167; Western Meadowlark, 7; Cardinal, 9; Purple Finch, 6; Am. Goldfinch, 19; Slate-colored Junco, 43; Tree Sparrow, 79; Harris' Sparrow, 18; Song Sparrow, 1. **Total,** 33 species; about 614 individuals.—Verneil E. Griffin (compiler), George Houser, Mrs. George Houser, Liven A. Peterson, Lester H. Urbach.

437. Halsey, Nebr. (all points within a 15-mile diameter circle, center same as in last 12 years).—Dec. 25; 8 a.m. to 5:30 p.m.; temp. 25° to 48°; wind E, 2-6 m.p.h.; ground bare. One observer. Total hours, 9½ (all on foot); total miles, 12 (all on foot). ► Common Merganser, 2; Rough-legged Hawk, 3; Golden Eagle, 1; Sharp-tailed Grouse, 89; Ring-necked Pheasant, 16; Yellow-shafted Flicker, 2; Hairy Woodpecker, 1; Downy Woodpecker, 4; Black-billed Magpie, 1; Common Crow, 9; Black-capped Chickadee, 11; Red-breasted Nuthatch, 2; Robin, 6; Townsend's Solitaire, 5; Cardinal, 1; Am. Goldfinch, 18; Slate-colored Junco, 54; Tree Sparrow, 34. **Total,** 18 species; about 259 individuals.—Carl E. Smith.

438. Kearney, Nebr. (all points within a 12-mile diameter circle, center in Kearney, including Kearney Lake, Kearney Cemetery, Harmon Park, Cottonmill Lake, Overland Pits, Fort Kearny State Park, Platte River; parks and cemeteries 35%, river bottomlands 50%, roadsides, 15%).—Jan. 1; 7:15 a.m. to 5 p.m. Few clouds to complete cloudiness; temp. 11° to 40°; wind SW, 7-20 m.p.h.; ground clear, no snow, river 10% open. Six observers in 2 parties. Total party-hours, 17 (12 on foot, 5 by car); total party-miles, 168 (24 on foot, 144 by car). ► Mallard, 2; Red-tailed Hawk, 1; Marsh Hawk, 1; Prairie Falcon, 1; Sparrow Hawk, 4; Bobwhite, 16; Ring-necked Pheasant, 12; **Sandhill Crane, 1** (heard, then seen well by 2 observers); Great Horned Owl, 8; Yellow-shafted Flicker, 23; Red-shafted Flicker, 1; Red-bellied Woodpecker, 2; **Yellow-bellied Sapsucker, 1**; Hairy Woodpecker, 11; Downy Woodpecker, 20; Horned Lark, 22; Blue Jay, 2; Black-billed Magpie, 4; Common Crow, 1350; Black-capped Chickadee, 94; White-breasted Nuthatch, 5; Brown Creeper, 3; **Carolina Wren, 1** (seen and heard—J. B.); Robin, 106; Eastern Bluebird, 25; Townsend's Solitaire, 1; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 2; **Bohemian Waxwing, 4** (4 observers); Cedar Waxwing, 105; Starling, 155; House Sparrow, 656; Western Meadowlark, 37; Red-winged Blackbird, 5; Cardinal, 28; Purple Finch, 1; Am. Goldfinch, 38; **Vesper Sparrow, 6**; Slate-colored Junco, 66; Oregon Junco, 45; Tree Sparrow, 397; **Chipping Sparrow, 6** (all unusual species of sparrows carefully checked by at least 2 observers); **Clay-colored Sparrow, 30**; **Field Sparrow, 4**; Harris' Sparrow, 7; White-crowned Sparrow, 5; **White-throated Sparrow, 3**; Song Sparrow, 4. **Total,** 48 species; about 3322 individuals. (Seen in area count period, but not on count day: Mourning Dove.)—John C. W. Bliese (compiler), Mrs. Margaret E. Bliese, George W. Brown, Mrs. Martha Conyers, Howard Davis, Chris W. Hansen.

439. Lincoln, Nebr. (all points within a 15-mile diameter circle, center at 14th and A Streets as last

year).—Dec. 28; 7:30 a.m. to 5:30 p.m. Overcast with fog a.m., partly cloudy p.m.; temp. 30° to 41°; wind WNW, 5 m.p.h.; streams open, ponds and lakes frozen. Sixteen observers in 3 parties. Total party-hours, 25 (19 on foot, 6 by car); total party-miles, 181 (17 on foot, 164 by car). ► Mallard, 15; Red-tailed Hawk, 3; Rough-legged Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 38; Ring-necked Pheasant, 3; **Killdeer, 2**; **Common Snipe, 2**; Mourning Dove, 114; Great Horned Owl, 1; Long-eared Owl, 12; Belted Kingfisher, 2; Yellow-shafted Flicker, 30; Red-bellied Woodpecker, 15; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 3; Downy Woodpecker, 60; Blue Jay, 28; Common Crow, 106; Black-capped Chickadee, 231; Tufted Titmouse, 6; White-breasted Nuthatch, 70; Red-breasted Nuthatch, 2; Brown Creeper, 15; Robin, 9; Townsend's Solitaire, 4; Golden-crowned Kinglet, 14; Ruby-crowned Kinglet, 1; **Bohemian Waxwing, 4**; Cedar Waxwing, 2; Loggerhead Shrike, 3; Starling, 556; House Sparrow, 1230; Western Meadowlark, 10; meadowlark (sp.), 150; Redwinged Blackbird, 200; Cardinal, 93; Pine Siskin, 3; Am. Goldfinch, 210; Red Crossbill, 5; Slate-colored Junco, 615; Tree Sparrow, 575; Harris' Sparrow, 107; White-crowned Sparrow, 2; Fox Sparrow, 1; Song Sparrow, 30. **Total,** 47 species; about 4589 individuals. (Seen in area count period, but not on count day: Cooper's Hawk, Bald Eagle, Horned Lark, Rufous-sided Towhee.)—Mr. and Mrs. O. E. Alexis, Henry E. Baumgarten, Howard P. Doole, Mrs. W. A. Fleming, Mr. and Mrs. E. E. Fulcher, Mr. and Mrs. George W. Keim, Mrs. Paul Murdoch, Mrs. C. G. Pritchard, C. G. Pritchard (compiler), Mr. and Mrs. F. M. Strasser, Mr. and Mrs. Harold V. Whitmus.

440. Scottsbluff, Nebr. (all points within a 15-mile diameter circle, including Riverside Park, Riverview Golf Course west along river, north to Tub Springs, northeast to lake country, south to Badlands, Gering Cemetery; pasture 25%, deciduous growth 35%, hilly terrain 10%, water 25%, conifers 3%, town 2%).—Dec. 30; 7 a.m. to 4:30 p.m. Clear to partly cloudy; temp. 4° to 29°; wind WNW, 6-11 m.p.h.; ponds frozen, lakes mostly frozen, streams partly open. Five observers in 3 parties. Total party-hours, 20 (5 on foot, 15 by car); total party-miles, 87 (7 on foot, 80 by car). ► Mallard, 40,000; Pintail, 3; Common Merganser, 21; Red-tailed Hawk, 1; Marsh Hawk, 1; Pigeon Hawk, 1; Sparrow Hawk, 1; Bobwhite, 60; Ring-necked Pheasant, 3; Common Snipe, 6; Mourning Dove, 1; Great Horned Owl, 2; Yellow-shafted Flicker, 3; Red-shafted Flicker, 15; Hairy Woodpecker, 2; Downy Woodpecker, 4; Horned Lark, 50; Blue Jay, 3; Black-billed Magpie, 52; Black-capped Chickadee, 48; Brown Creeper, 1; Robin, 14; Townsend's Solitaire, 13; Bohemian Waxwing, **200**; Cedar Waxwing, 6; Northern Shrike, 2; Starling, 649; House Sparrow, 2205; Western Meadowlark, 74; Redwinged Blackbird, 45; **Cardinal, 1** (at feeder); House Finch, 12; Pine Siskin, 5; Am. Goldfinch, 4; White-winged Junco, 2; Slate-colored Junco, 26; Oregon Junco, 58; Tree Sparrow, 65; Field Sparrow, 15; White-crowned Sparrow, 10. **Total,** 40 species; about 43,684 individuals.—Mrs. J. W. Brashear, Mrs. C. F. Franzen, Mrs. S. C. Meseraull, Mrs. Roy J. Witschy (compiler), Mrs. S. R. Young.

441. Wisner–Pilger, Nebr. (all points within a 15-mile diameter circle, center John Lueshen farm).—Dec. 21; 8 a.m. to 4 p.m. Clear; temp. 15° to 43°; wind SE, 0-6 m.p.h. Two observers in 1 party. Total party-hours, 8 (1 on foot, 7 by car); total party-miles, 48 (1 on foot, 47 by car). ► Mallard, 8; Red-tailed Hawk, 1; Marsh Hawk, 2; Sparrow Hawk, 2; Bobwhite, 106; Ring-necked Pheasant, 21; Great Horned Owl, 3; Belted Kingfisher, 1; Red-bellied Woodpecker, 5; Hairy Woodpecker, 2; Downy Woodpecker, 15; Blue Jay, 3; Common Crow, 16; Black-capped Chickadee, 37; White-breasted Nuthatch, 4; Brown Creeper, 1; **Townsend's Solitaire, 1** (second local record); Starling, 2; House Sparrow, 66; Cardinal, 7; Am. Goldfinch, 19; Slate-colored Junco, 60; Tree Sparrow, 268; Harris' Sparrow, 36; White-crowned Sparrow, 1; Song Sparrow, 2. **Total,** 26 species; about 689 individuals.—John Lueshen, Willetta Lueshen (compiler).

442. Wymore, Nebr. (all points within a 5-mile diameter circle, center Blue Springs).—Dec. 22; 8 a.m. to 4:30 p.m. Clear; temp. 24° to 53°; wind 5 m.p.h. One observer. Total hours, 8½; total miles, 17 (3 on foot, 14 by car). ► Red-tailed Hawk, 5; Marsh Hawk, 1; Sparrow Hawk, 2; Bobwhite, 21; Ring-necked Pheasant, 1; Common Snipe, 1; Mourning Dove, 2; Great Horned Owl, 2; Yellow-shafted Flicker, 4; Red-bellied Woodpecker, 12; Downy Woodpecker, 8; Blue Jay, 4; Common Crow, 3; Black-capped Chickadee, 26; Tufted Titmouse, 16; Brown Creeper, 1; Robin, 1; Starling, 14; House Sparrow, 50+; Eastern Meadowlark, 2; Western Meadowlark, 8; Cardinal, 20; Am. Goldfinch, 22; Slate-colored Junco, 60; Tree Sparrow, 53; Harris' Sparrow, 26; Song Sparrow, 6. **Total,** 27 species; about 371 individuals. (Seen in area count period, but not on count day: White-breasted Nuthatch, Loggerhead Shrike.)—Mrs. F. J. Patton.

443. Baldwin, Kans. (all points within a 15-mile diameter circle, center 2 miles north of junction of Highways 56 and 59; open country 50%, woods 35%, lake shores 10%, town 5%).—Dec. 26; 7 a.m. to 5:15 p.m. Partly cloudy; temp. 38° to 42°; wind SE to SW, 0-15 m.p.h.; lakes partly frozen, ground bare, lowlands muddy. Ten observers in 4 parties. Total party-hours, 32 (19 on foot, 13 by car); total party-miles, 209 (21 on foot, 188 by car). ► Canada Goose, 57; goose (sp.), 74; Mallard, 10; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 70; Harlan's Hawk, **8**; Marsh Hawk, 6; Sparrow Hawk, 8; Bobwhite, 68; Mourning Dove, 33; Screech Owl, 1; Great Horned Owl, 5; Barred Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 52; Red-bellied Woodpecker, 28; Red-headed Woodpecker, 4; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 11; Downy Woodpecker, 80; Horned Lark, 31; Blue Jay, 55; Common Crow, 146; Black-capped Chickadee, 90;

Tufted Titmouse, 49; White-breasted Nuthatch, 2; Brown Creeper, 8; Winter Wren, 1; Carolina Wren, 10; Mockingbird, 9; Robin, 73; Eastern Bluebird, 48; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 1; Loggerhead Shrike, 7; Starling, 828; House Sparrow, 680; Eastern Meadowlark, 4; Western Meadowlark, 2; meadowlark (sp.), 350; Redwinged Blackbird, 4; Brown-headed Cowbird, 1; Cardinal, 388; Am. Goldfinch, 74; Savannah Sparrow, 1; Slate-colored Junco, 555; Oregon Junco, 1; Tree Sparrow, 430; Field Sparrow, 1; Harris' Sparrow, 124; White-crowned Sparrow, 20; Song Sparrow, 40. **Total,** 51 species; about 4556 individuals.—Amelia J. Betts (compiler), Mr. and Mrs. I. L. Boyd, Roger Boyd, Ray Couser, Mr. and Mrs. T. A. Evans, Katharine Kelley, Mrs. Francis McKaughan, R. F. Miller (Baldwin Bird Club).

444. Halstead–Newton, Kans. (all points within a 15-mile diameter circle, center 3½ miles NE of Halstead; area covered chiefly along Little Arkansas River, Emma Creeks, portion of Sand Creek; wooded streams and ponds 51%, hedgerows, farmland and meadows 45%, town and cemetery 3%, shrubby grasslands 1%).—Dec. 27; 7:40 a.m. to 5:30 p.m. Foggy, clearing at noon; temp. 36° to 41°; wind S, 3-9 m.p.h.; streams open. Fifteen observers in 5 parties. Total party-hours, 44 (24 on foot, 20 by car); total party-miles, 312 (24 on foot, 288 by car). ► Mallard, 67; **Blue-winged Teal, 2** (pair seen well—G. A.); Cooper's Hawk, 3; Red-tailed Hawk, 12; Rough-legged Hawk, 12; buteo (sp.), 7; Marsh Hawk, 15; Sparrow Hawk, 37; Bobwhite, 36; Ring-necked Pheasant, 26; **Common Snipe, 2**; Mourning Dove, **163**; Great Horned Owl, 11; **Barred Owl, 4** (3 parties); **Burrowing Owl, 1** (in Prairie Dog town); Belted Kingfisher, 12; Yellow-shafted Flicker, 37; Red-shafted Flicker, 8; Red-bellied Woodpecker, 21; Hairy Woodpecker, 18; Downy Woodpecker, 47 Horned Lark, 168; Blue Jay, 46; Common Crow, 726; Black-capped Chickadee, 93; Tufted Titmouse, 26; White-breasted Nuthatch, 1; Brown Creeper, 12; Winter Wren, 3; Carolina Wren, 1; Mockingbird, 1; Brown Thrasher, 2; Robin, 2; Eastern Bluebird, 3; Townsend's Solitaire, 3; Golden-crowned Kinglet, 17; **Bohemian Waxwing, 6** (carefully identified—D. P.); Loggerhead Shrike, 11; Starling, 1424; House Sparrow, 1243; Eastern Meadowlark, 14; Western Meadowlark, 779; Redwinged Blackbird, 705; Rusty Blackbird, 86; Brown-headed Cowbird, 34; Cardinal, 87; Am. Goldfinch, 97; Slate-colored Junco, 442; Oregon Junco, 4; Tree Sparrow, 673; Harris' Sparrow, **858**; White-crowned Sparrow, 1; Song Sparrow, 69. **Total,** 52 species; about 8178 individuals. (Seen in area count period, but not on count day: Yellow-bellied Sapsucker, Cedar Waxwing.) [Excellent details submitted for all unusual observations—Ed.]—Galen and Ruth Abbott, Joan Challans, Marie Dettweiler, Eunice Goode, Dwight Platt, Ruth Rose, Alma K. Ruth, Edna L. Ruth (compiler), Will and Millie Stein.

445. Hays, Kans. (all points within a 15-mile diameter circle, center on campus of Ft. Hays State College; campus, residential areas, college farm, experiment station, banks of Smoky Hill River).—Dec. 29; 7:30 a.m. to 5:30 p.m.; temp. 18° to 25°; wind NW, 10-25 m.p.h. Five observers in 2 parties. Total party-hours, 20 (6 on foot, 4 by car); total party-miles, 42 (7 on foot, 35 by car). ► Mallard, 262; Blue-winged Teal, 7; Common Merganser, 111; Red-tailed Hawk, 1; Golden Eagle, 4; Bald Eagle, 4; Marsh Hawk, 42; Prairie Falcon, 17; Sparrow Hawk, 4; Ring-necked Pheasant, 54; Killdeer, 1; Herring Gull, 12; Ring-billed Gull, 18; Mourning Dove, 24; Great Horned Owl, 1; Long-eared Owl, 4; Belted Kingfisher, 1; Yellow-shafted Flicker, 4; Red-shafted Flicker, 9; Red-bellied Woodpecker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 6; Horned Lark, 193; Common Crow, 98; Black-capped Chickadee, 27; Red-breasted Nuthatch, 1; Brown Creeper, 6; Robin, 4; Eastern Bluebird, 7; Townsend's Solitaire, 5; Golden-crowned Kinglet, 5; Ruby-crowned Kinglet, 1; Cedar Waxwing, 28; Starling, 186; House Sparrow, 500; Western Meadowlark, 349; Redwinged Blackbird, 13; Cardinal, 2; Pine Siskin, 36; Rufous-sided Towhee, 1; Slate-colored Junco, 101; Oregon Junco, 10; Tree Sparrow, 41; Chipping Sparrow, 8; Harris' Sparrow, 185; White-crowned Sparrow, 3; Song Sparrow, 2; Lapland Longspur, 35. **Total,** 48 species; about 2437 individuals.—Edwin P. Martin (compiler), Ward Sims, Gerald Tomanek, Myrl Walker, L. D. Wooster.

446. Kirwin National Wildlife Management Area, Kans. (all points within 10,864 acres; 5000 surface acres of water; 5864 acres of crop and grasslands).—Dec. 23; 7:30 a.m. to 5:30 p.m. Partly cloudy to overcast; temp. 28° to 55°; wind N, 0-5 m.p.h. One observer. Total hours, 10; total miles, 44 (2 on foot, 42 by car). ► Canada Goose, **4850**; **White-fronted Goose, 15** (all fall); Mallard, **73,500**; Pintail, 48; Green-winged Teal, 25; Am. Widgeon, 53; Common Merganser, 2700; Red-tailed Hawk, 7; Golden Eagle, 3; Bald Eagle, 3; Marsh Hawk, 5; Sparrow Hawk, 8; Bobwhite, 106; Ring-necked Pheasant, 122; Herring Gull, 1; Ring-billed Gull, 2; Mourning Dove, 14; Great Horned Owl, 16; Long-eared Owl, 1; Yellow-shafted Flicker, 7; Red-bellied Woodpecker, 4; Downy Woodpecker, 11; Horned Lark, 67; Blue Jay, 7; Black-billed Magpie, 12; Common Crow, 16; Black-capped Chickadee, 49; Robin, 6; Loggerhead Shrike, 1; Starling, 85; House Sparrow, 45; Western Meadowlark, 87; Redwinged Blackbird, 203; Brewer's Blackbird, 4; Cardinal, 12; Slate-colored Junco, 7; Tree Sparrow, 150; Chipping Sparrow, 12; Field Sparrow, 7; Harris' Sparrow, 17; White-crowned Sparrow, 17. **Total,** 41 species; about 82,305 individuals. (Seen in area count period, but not on count day: Double-crested Cormorant, Cooper's Hawk, Greater Prairie Chicken, Barn Owl, Belted Kingfisher.)—Robert L. Means.

447. Linn County, Kans. (all points within a 15-mile diameter circle, center same as in previous years).—Dec. 21; 6 a.m. to 5 p.m. Clear; temp. 28° to 58°; wind NW, up to 15 m.p.h.; some snow on ground, all water frozen over. Ten observers in 6 parties. Total

party-hours, 35 (18 on foot, 17 by car); total party-miles, 123 (18 on foot, 105 by car). ► Mallard, 8600; Cooper's Hawk, 3; Red-tailed Hawk, 26; Red-shouldered Hawk, 6; Rough-legged Hawk, 1; Marsh Hawk, 8; Sparrow Hawk, 10; Greater Prairie Chicken, 24; Bobwhite, 40; Mourning Dove, 13; Great Horned Owl, 3; Barred Owl, 5; Belted Kingfisher, 1; Yellow-shafted Flicker, 47; Red-shafted Flicker, 1; Pileated Woodpecker, 2; Red-bellied Woodpecker, 44; Red-headed Woodpecker, 36; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 7; Downy Woodpecker, 35; Horned Lark, 25; Blue Jay, 55; Common Crow, 54; Black-capped Chickadee, 172; Tufted Titmouse, 99; White-breasted Nuthatch, 13; Brown Creeper, 6; Winter Wren, 1; Carolina Wren, 17; Mockingbird, 17; Robin, 3; Eastern Bluebird, 56; Golden-crowned Kinglet, 4; Loggerhead Shrike, 39; Starling, 461; House Sparrow, 510; Eastern Meadowlark, 285; Western Meadowlark, 1; Redwinged Blackbird, 7; Cardinal, 258; Am. Goldfinch, 46; Rufous-sided Towhee, 2; Slate-colored Junco, 364; Tree Sparrow, 323; Chipping Sparrow, 1; Field Sparrow, 26; Harris' Sparrow, 197; White-crowned Sparrow, 61; White-throated Sparrow, 14; Fox Sparrow, 3; Lincoln's Sparrow, 5; Song Sparrow, 17. **Total,** 53 species; about 12,055 individuals. (Seen in area count period, but not on count day: Sharp-shinned Hawk, Golden Eagle.)—Rosetta Copple, Eunice Dingus (compiler), Wilson J. Dingus, Marshall J. Fauhl, Ruth D. Fauhl, Blanche McCaslin, Wallace McCaslin, John H. Morse, Mary Morse, J. W. Wallace (Linn County Audubon Society).

448. Manhattan, Kans. (all points within a 15-mile diameter circle, center at Kansas State College Campus; open grassland 25%, cultivated fields 10%, brushland 25%, woods 15%, lake or river 25%).—Dec. 26; 6 a.m. to 5 p.m. Foggy to clear; temp. 32° to 40°; wind S, 0-15 m.p.h.; creeks and rivers open, no snow. Five observers in 2 parties. Total party-hours, 22 (15 on foot, 7 by car); total party-miles, 45 (8 on foot, 37 by car). ► Mallard, 500; Black Duck, 1; **Lesser Scaup, 1**; Sharp-shinned Hawk, 1; Red-tailed Hawk, **16** (2 Krider's); Rough-legged Hawk, 2; Marsh Hawk, **11**; Sparrow Hawk, 2; Greater Prairie Chicken, 1; Bobwhite, 48; **Ring-necked Pheasant, 1**; Great Horned Owl, 5; Belted Kingfisher, 1; Yellow-shafted Flicker, 14; Red-shafted Flicker, 1; Red-bellied Woodpecker, 16; **Red-headed Woodpecker, 3**; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 24; Horned Lark, 20; Blue Jay, 25; Common Crow, 32; Black-capped Chickadee, 36; Tufted Titmouse, 25; Brown Creeper, 2; Carolina Wren, 7; Robin, 25; Eastern Bluebird, 33; Golden-crowned Kinglet, 2; Cedar Waxwing, 10; Loggerhead Shrike, 2; Starling, **325**; House Sparrow, 170; Western Meadowlark, 230; Redwinged Blackbird, **320**; Cardinal, 90; Pine Siskin, 4; Am. Goldfinch, 35; Slate-colored Junco, 180; Tree Sparrow, **750**; Harris' Sparrow, **160**; Song Sparrow, 19. **Total,** 43 species (1 additional race); about 3155 individuals.—E. K. Beals, Donald Gier, H. T. Gier, E. R. Lewis (compiler), Philip Marvin.

449. Olathe, Kans. (all points within a 15-mile diameter circle, center at Gardner Lake, including old and new Olathe Lakes; open grassland 25%, cultivated fields 25%, brushland 15%, woods 30%, lakes and streams 5%).—Jan. 1; 8 a.m. to 5 p.m. Cloudy to clear; temp. 25° to 28°; wind NW, 25 m.p.h.; creeks and lakes partly frozen, 6-in. snow. Six observers in 2 parties. Total party-hours, 15 (8 on foot, 7 by car); total party-miles, 85 (15 on foot, 70 by car). ► Canada Goose, 30; Sharp-shinned Hawk, 2; Red-tailed Hawk, 19; Harlan's Hawk, 1; Marsh Hawk, 4; Sparrow Hawk, 9; Bobwhite, 15; Common Snipe, 7; Mourning Dove, 116; Great Horned Owl, 3; Yellow-shafted Flicker, 4; Red-bellied Woodpecker, 13; Hairy Woodpecker, 5; Downy Woodpecker, 28; Horned Lark, 195; Blue Jay, 31; Common Crow, 92; Black-capped Chickadee, 42; Tufted Titmouse, 52; Brown Creeper, 4; Winter Wren, 2; Carolina Wren, 8; Mockingbird, 2; Robin, 23; Eastern Bluebird, 5; Loggerhead Shrike, 2; Starling, 1578; House Sparrow, 2299; Eastern Meadowlark, 1; Western Meadowlark, 16; meadowlark (sp.), 311; Cardinal, 280; Am. Goldfinch, 24; Slate-colored Junco, 520; Oregon Junco, 2; Tree Sparrow, 307; Harris' Sparrow, 39; White-crowned Sparrow, 2; Song Sparrow, 17. **Total,** 38 species; about 6110 individuals.—Amelia Betts, Ivan L. Boyd (compiler), Margaret Boyd, Katharine Kelley, Stephen Thomas, Ray Wackly.

450. Pittsburg, Kans. (all points within a 3-mile diameter circle, center Broadway and Quincy Streets).—Dec. 29; 7 a.m. to 5 p.m. Cloudy; temp. 31° to 35°; wind NW, 12 m.p.h.; no snow cover, ponds partly frozen. Two observers in 2 parties. Total party-hours, 20; total party-miles, 13 (7 on foot, 6 by car). ► Pintail, 22; Red-tailed Hawk, 10; Red-shouldered Hawk, 2; Bobwhite, 27; Great Horned Owl, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 16; Pileated Woodpecker, 1; Red-bellied Woodpecker, 9; Downy Woodpecker, 15; Blue Jay, 3; Common Crow, 10; Carolina Chickadee, 15; Tufted Titmouse, 18; White-breasted Nuthatch, 2; Brown Creeper, 3; Carolina Wren, 8; Mockingbird, 4; Brown Thrasher, 1; Robin, 6; Eastern Bluebird, 17; Starling, 43; House Sparrow, 94; Eastern Meadowlark, 25; Redwinged Blackbird, 43; Rusty Blackbird, 40; Cardinal, 53; Pine Siskin, 3; Am. Goldfinch, 19; Slate-colored Junco, 146; Oregon Junco, 5; Tree Sparrow, 4; Harris' Sparrow, 6; Fox Sparrow, 1; Lincoln's Sparrow, 1; Song Sparrow, 8. **Total,** 36 species; about 682 individuals. (Seen in area count period, but not on count day: Barred Owl, Yellow-bellied Sapsucker, Cedar Waxwing, Brown-headed Cowbird, Field Sparrow.)—Gladys C. Galligar, Theodore M. Sperry (compiler).

451. Quivira National Wildlife Refuge, Kans. (all points within a 15-mile diameter circle, center Refuge Headquarters, including Rattlesnake Creek, Little Salt Marsh, Big Salt Marsh, Salt Creek; low sand hills and dunes, ponds, creeks, marshes, grain and grass fields, groves).—Dec. 30; 7:20 a.m. to 5:30 p.m. Intermittent snow showers; temp. 17° to 27°; wind NNE, 5-15 m.p.h.; 3-in. snow on ground. Two observers in 1 party. Total party-hours, 10;

total party-miles, 101 (1 on foot, 100 by car). ► Canada Goose, 30; Mallard, 750; Common Merganser, 75; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Rough-legged Hawk, 4; Ferruginous Hawk, 1; Golden Eagle, 1; Bald Eagle, 22; Marsh Hawk, **117**; Prairie Falcon, 4; Sparrow Hawk, 4; Bobwhite, 66; Ring-necked Pheasant, 75; Common Snipe, 4; Ring-billed Gull, 75; Great Horned Owl, 1; Short-eared Owl, 14; Yellow-shafted Flicker, 22; Red-shafted Flicker, 4; Downy Woodpecker, 1; Horned Lark, 3; Blue Jay, 4; Common Crow, 1000; Black-capped Chickadee, 4; Starling, 100; House Sparrow, 2; Eastern and Western Meadowlark, 500; Redwinged Blackbird, 25,000; Cardinal, 3; Slate-colored Junco, 250; Tree Sparrow, **2400**; Harris' Sparrow, 22; White-crowned Sparrow, 3; Song Sparrow, 10. **Total,** 36 species; about 30,574 individuals.—Wayne E. Dale, Joshua J. Harman (compiler).

452. Topeka, Kans. (all points within a 15-mile diameter circle, center on State House, and including Gage Park, Rochester and Mount Hope Cemeteries, Security Benefit Grounds, Municipal Airport, Lake Shawnee; farmlands 50%, woodlots 30%, pastures and weed beds 10%, lake and water areas 10%).—Dec. 28; 7:45 a.m. to 5 p.m. Clear to partly cloudy; temp. 35° to 59°; wind variable, 5-10 m.p.h.; ground clear, some marginal ice on lakes and ponds. Sixteen observers in 6 parties. Total party-hours, 87 (16 on foot, 71 by car); total party-miles, 197 (37 on foot, 160 by car). ► Pied-billed Grebe, 1; Great Blue Heron, 1; Mallard, 4000; Black Duck, 1; Pintail, 1; Redhead, 5; Common Goldeneye, 1; Hooded Merganser, 3; Common Merganser, 90; Cooper's Hawk, 1; Red-tailed Hawk, 15 (1 Krider's); Rough-legged Hawk, 7; Marsh Hawk, 3; Sparrow Hawk, 17; Greater Prairie Chicken, 11; Bobwhite, 52; Mourning Dove, 2; Great Horned Owl, 2; Long-eared Owl, 3; Yellow-shafted Flicker, 9; Red-bellied Woodpecker, 17; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 9; Horned Lark, 75; Blue Jay, 32; Common Crow, 13; Black-capped Chickadee, 16; Tufted Titmouse, 22; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 2; Brown Creeper, 3; Winter Wren, 3; Carolina Wren, 8; Mockingbird, 4; Brown Thrasher, 1; Robin, 2; Eastern Bluebird, 7; Golden-crowned Kinglet, 2; Cedar Waxwing, 102; Loggerhead Shrike, 4; Starling, 1500; House Sparrow, 800; Eastern Meadowlark, 11; Western Meadowlark, 17; Redwinged Blackbird, 3; Cardinal, 32; Pine Siskin, 3; Am. Goldfinch, 9; Rufous-sided Towhee, 2; Slate-colored Junco, 64; Tree Sparrow, 41; Field Sparrow, 1; Harris' Sparrow, 23; Lincoln's Sparrow, 1; Song Sparrow, 3. **Total,** 57 species (1 additional race); about 7065 individuals.—John P. Atkinson, L. B. Carson (compiler), Paul Finninger, Elizabeth Fisher, Roberta Foote, Dorothy Harvey, Grace Holcombe, Donald W. Janes, R. H. Kingman, Marvin Kuehn, Mrs. Charles H. Martin, Florence McKinney, T. W. Nelson, Tom Reeder, Orville O. Rice, Eugene Willett (Topeka Audubon Society).

453. Udall, Kans. (all points within a 15-mile diameter circle, center water tower in Udall; grassland 20%, fields 15%, brushland 20%, woods 30%, river 15%).—Dec. 26; 7:30 a.m. to 5:30 p.m. Cloudy to partly cloudy with showers and thunder showers; temp. 36° to 38°; wind SW, 10-25 m.p.h. One observer. Total hours, 10 (5 on foot, 5 by car); total miles, 54 (5 on foot, 49 by car). ► Great Blue Heron, 1; Red-tailed Hawk, 6; Harlan's Hawk, 1; Marsh Hawk, 7; Sparrow Hawk, 4; Bobwhite, 28; Ring-necked Pheasant, 1; Common Snipe, 4; Mourning Dove, 35; Great Horned Owl, 2; Long-eared Owl, 5; Short-eared Owl, 4; Yellow-shafted Flicker, 6; Red-shafted Flicker, 6; Red-bellied Woodpecker, 12; Red-headed Woodpecker, 1; Hairy Woodpecker, 4; Downy Woodpecker, 21; Horned Lark, 20; Blue Jay, 8; Common Crow, 72; Black-capped Chickadee, 51; Tufted Titmouse, 23; Bewick's Wren, 2; Eastern Bluebird, 10; Golden-crowned Kinglet, 1; Loggerhead Shrike, 5; Starling, 6303; House Sparrow, 550; Eastern Meadowlark, 1; Western Meadowlark, 2; Redwinged Blackbird, 1; Brown-headed Cowbird, 31; Cardinal, 64; Am. Goldfinch, 103; Rufous-sided Towhee, 1; Slate-colored Junco, 39; Oregon Junco, 1; Tree Sparrow, 369; Harris' Sparrow, 275; White-crowned Sparrow, 20; Swamp Sparrow, 1; Song Sparrow, 9; Lapland Longspur, 15. **Total,** 44 species; about 8125 individuals.—Max Thompson.

454. Wichita, Kans. (all points within a 15-mile diameter circle, center at confluence of Arkansas and Little Arkansas Rivers; open fields 40%, brushland 30%, creeks, rivers, ponds 20%, woodland 10%).—Dec. 28; 7:30 a.m. to 5:30 p.m. Partly cloudy; temp. 35° to 58°; wind SW, 25 m.p.h. Seventeen observers in 4 parties. Total party-hours, 27 (20 on foot, 7 by car); total party-miles, 165 (19 on foot, 146 by car). ► Mallard, 2; Pintail, 3; Cooper's Hawk, 2; Red-tailed Hawk, 5; Rough-legged Hawk, 1; Marsh Hawk, 9; Sparrow Hawk, 22; Bobwhite, 2; Ring-necked Pheasant, 1; Killdeer, 18; **Semipalmated Sandpiper, 2**; Mourning Dove, 62; Screech Owl, 1; Great Horned Owl, 9; Belted Kingfisher, 9; Yellow-shafted Flicker, 20; Red-shafted Flicker, 2; Red-bellied Woodpecker, 13; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 12; Downy Woodpecker, 41; Horned Lark, 471; Blue Jay, 4; Common Crow, 140; Black-capped Chickadee, 75; Carolina Chickadee, 3; Tufted Titmouse, 15; Brown Creeper, 12; Carolina Wren, 7; Mockingbird, 2; Brown Thrasher, 3; Robin, 7; Townsend's Solitaire, 2; Golden-crowned Kinglet, 21; Ruby-crowned Kinglet, 2; Loggerhead Shrike, 11; Starling, 765; House Sparrow, 1250; Eastern Meadowlark, 428; Western Meadowlark, 3; Brown-headed Cowbird, 1; Cardinal, 73; Pine Siskin, 2; Am. Goldfinch, 143; Rufous-sided Towhee, 4; Slate-colored Junco, 325; Oregon Junco, 3; Tree Sparrow, 367; Harris' Sparrow, 413; Song Sparrow, 61; Lapland Longspur, 40. **Total,** 51 species; about 4890 individuals.—J. Walker Butin, Don Ferguson, Harry Hobson, Dan Kilby (compiler), Geneva Kingkade, Geula McDonald, Nathan McDonald, Barbara Stafford, Elizabeth Stafford, Bill Stark, Jennibelle Watson, Louise Watson, Mary Wiley, Ralph Wiley (Wichita Audubon Society).

455. Fort Gibson Reservoir, Okla. (all points within a 15-mile diameter circle, center at Okay, including Honor Heights Park and Arkansas River, north to Highway 51 between Wagoner and Sequoyah State Park; lake and river 35%, deciduous woodland 35%, open prairie 20%, agricultural 10%).—Dec. 21; 6 a.m. to 6 p.m. Clear; temp. 27° to 60°; wind SW, 5-20 m.p.h. Seven observers in 3 parties. Total party-hours, 36 (27 on foot, 9 by car); total party-miles, 165 (11 on foot, 154 by car). ► **Common Loon, 2**; Pied-billed Grebe, 1; Great Blue Heron, 36; Canada Goose, 15; White-fronted Goose, 1; Snow Goose, 2; Mallard, 3000; Green-winged Teal, 3; Common Goldeneye, 21; Bufflehead, 2; Hooded Merganser, 2; Common Merganser, 250; Cooper's Hawk, 1; Red-tailed Hawk, 21; Bald Eagle, 11; Marsh Hawk, 40; Sparrow Hawk, 9; Greater Prairie Chicken, 119; Bobwhite, 2; Am. Coot, 5; Killdeer, 19; Ring-billed Gull, 525; Mourning Dove, 16; Roadrunner, 2; Barn Owl, 5; Great Horned Owl, 5; Barred Owl, 2; Short-eared Owl, 41; Belted Kingfisher, 4; Yellow-shafted Flicker, 110; Red-shafted Flicker, 1; Pileated Woodpecker, 3; Red-bellied Woodpecker, 18; Red-headed Woodpecker, 25; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 6; Downy Woodpecker, 27; Horned Lark, 58; Blue Jay, 85; Common Crow, 1100; Carolina Chickadee, 55; Tufted Titmouse, 36; White-breasted Nuthatch, 4; Brown Creeper, 1; Winter Wren, 2; Bewick's Wren, 1; Carolina Wren, 25; Mockingbird, 4; Brown Thrasher, 1; Robin, 100; Hermit Thrush, 1; Eastern Bluebird, 248; Ruby-crowned Kinglet, 1; Water Pipit, 3; Cedar Waxwing, 58; Loggerhead Shrike, 57; Starling, 1800; Myrtle Warbler, 6; House Sparrow, 400; Eastern Meadowlark, 250; Redwinged Blackbird, 5500; Rusty Blackbird, 2; Common Grackle, 25; Brown-headed Cowbird, 2; Cardinal, 75; Purple Finch, 12; Am. Goldfinch, 150; Savannah Sparrow, 9; Slate-colored Junco, 280; Tree Sparrow, 24; Field Sparrow, 9; Harris' Sparrow, 15; White-crowned Sparrow, 10; White-throated Sparrow, 65; Fox Sparrow, 4; Swamp Sparrow, 2; Song Sparrow, 15. **Total,** 77 species; about 14,848 individuals. (Seen in area count period, but not on count day: Lesser Scaup, Black Vulture, Common Snipe, Oregon Junco.)—Forrest Bebb, Lea Davis, Mrs. Roy L. Ginter, James L. Norman (compiler), Marion B. Norman, Bill Rice, Vaud A. Travis, Jr.

456. Norman, Okla. (all points within a 15-mile diameter circle, center 5 miles east of junction of Highways 77 and 77H; river floodplain with brush, grass, and open sand 10%, pasture and open grasslands 20%, cultivated land 10%, scrub oak woodlands 10%, elm-cottonwood-pecan bottomlands 30%, ponds and small lakes 8%, city residential area 7%, evergreens 5%).—Dec. 20; 7:30 a.m. to 5:30 p.m. Clear; temp. 31° to 42°; wind N, 5-10 m.p.h.; ground dry, water open. Fourteen observers in 5-2 parties. Total party-hours, 22 (14 on foot, 8 by car); total party-miles, 92 (12 on foot, 80 by car). ► Pied-billed Grebe, 1; Great Blue Heron, 1; Pintail, 1; Green-winged Teal, 7; Cooper's Hawk, 4; Red-tailed Hawk, 19; Marsh Hawk, 5; Sparrow Hawk, 4; Bobwhite, 43; Killdeer, 23; Common Snipe, 3; Ring-billed Gull, 1; Mourning Dove, 30; Great Horned Owl, 1; Barred Owl, 4; Belted Kingfisher, 4; Yellow-shafted Flicker, 67; Red-shafted Flicker, 9; Pileated Woodpecker, 3; Red-bellied Woodpecker, 19; Red-headed Woodpecker, 7; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 12; Downy Woodpecker, 22; Horned Lark, 58; Blue Jay, 106; Common Crow, 175; Carolina Chickadee, 67; Tufted Titmouse, 24; White-breasted Nuthatch, 16; Brown Creeper, 4; Bewick's Wren, 17; Carolina Wren, 18; Mockingbird, 15; Robin, 270; Hermit Thrush, 1; Eastern Bluebird, 126; Townsend's Solitaire, 1; kinglet (sp.), 10; Sprague's Pipit, 2; **Bohemian Waxwing, 2** (1 collected); Cedar Waxwing, 24; Loggerhead Shrike, 15; Starling, 430; Myrtle Warbler, 33; House Sparrow, 155; Eastern and Western Meadowlark, 340; Redwinged Blackbird, 5100; Brown-headed Cowbird, 6; Cardinal, 95; Purple Finch, 70; Pine Siskin, 10; Am. Goldfinch, 225; Rufous-sided Towhee, 9; Savannah Sparrow, 3; Slate-colored Junco, 250; Oregon Junco, 4; Tree Sparrow, 86; Field Sparrow, 50; Harris' Sparrow, 310; White-crowned Sparrow, 4; White-throated Sparrow, 1; Fox Sparrow, 4; Song Sparrow, 48; Smith's Longspur, 3. **Total,** 66 species; about 8481 individuals. (Seen in area count period, but not on count day: Sharp-shinned Hawk, Barn Owl, Le Conte's Sparrow, Lapland Longspur.)—Charles Carpenter, Hazel Cooksey, Marvin Davis (compiler), Sandra Davis, Robert Frank, Grace Ray, George M. Sutton, Lovie Whitaker (Cleveland County Bird Club).

457. Oklahoma City, Okla. (all points within a 15-mile diameter circle, center at intersection of Lincoln Blvd. and Northeast Expressway, including N. Canadian River bottoms, Oklahoma City reservoirs; lakes and waterways 40%, deciduous woodlands 40%, roadsides 10%, grasslands and coniferous woodlots 10%).—Dec. 27; 7 a.m. to 6 p.m. Overcast to clear; temp. 39° to 52°; wind N to S, 12-15 m.p.h.; no snow, water open. Twelve observers in 4 parties. Total party-hours, 31 (11 on foot, 20 by car); total party-miles, 187 (12 on foot, 175 by car). ► Common Loon, 1; **Red-throated Loon, 1** (present 3 weeks); Double-crested Cormorant, 2; Great Blue Heron, 8; Mallard, 773; Gadwall, 17; Green-winged Teal, 16; Ring-necked Duck, 3; Canvasback, 4; Common Goldeneye, 16; Bufflehead, 8; Common Merganser, 158; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 3; Marsh Hawk, 4; Sparrow Hawk, 8; Bobwhite, 56; Am. Coot, 7; Killdeer, 7; Common Snipe, 1; Least Sandpiper, 8; Herring Gull, 1; Ring-billed Gull, 313; Great Horned Owl, 4; Belted Kingfisher, 12; Yellow-shafted Flicker, 39; Red-shafted Flicker, 14; Red-bellied Woodpecker, 19; Red-headed Woodpecker, 1; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 9; Downy Woodpecker, 17; Horned Lark, 50 (3 Northern); Blue Jay, 37; Common Crow, 59; Carolina Chickadee, 44; Tufted Titmouse, 23; Red-breasted Nuthatch, 1; Brown Creeper, 3; Bewick's Wren, 4; Carolina Wren, 6; Mockingbird, 14; Brown Thrasher, 4; Robin, 155; Eastern Bluebird, 29; Townsend's Solitaire, 6; Cedar Waxwing, 405; Loggerhead Shrike, 16; Starling, 7000; Myrtle Warbler, 75;

House Sparrow, 595; Eastern Meadowlark, 179; Western Meadowlark, 2; Redwinged Blackbird, 125; Brown-headed Cowbird, 25; Cardinal, 85; Purple Finch, 33; Pine Siskin, 5; Am. Goldfinch, 331; Rufous-sided Towhee, 15 (2 races); Slate-colored Junco, 75; Oregon Junco, 6 (including Pink-sided); Tree Sparrow, 54; Field Sparrow, 24; Harris' Sparrow, 170; White-throated Sparrow, 3; Song Sparrow, 47; Lapland Longspur, 30. **Total,** 70 species (2 additional races); about 11,273 individuals. (Seen in area count period, but not on count day: Horned Grebe, Hooded Merganser, Ruby-crowned Kinglet.)—Marvin Davis, Robert Frank, Ed Martin, Irene Martin, John Newell, Eliot Stanley (compiler), Burrage Warner.

458. Salt Plains National Wildlife Refuge, Okla. (all points within a 15-mile diameter circle, center Refuge Headquarters, including dam spillway and Salt Fork River, east side of lake north to fish hatchery, south side of lake west to Lindsley Place, west side with salt flats; lake 50%, agricultural land 20%, deciduous woodland 20%, grassland 10%).—Dec. 20; 7:30 a.m. to 5:30 p.m. Clear; temp. 22° to 50°; wind SE, 0-5 m.p.h.; bays and small ponds partly frozen, lake too choppy to use air boat. Eight observers in 3 parties. Total party-hours, 27 (17 on foot, 10 by car); total party-miles, 100 (15 on foot, 85 by car). ► Great Blue Heron, 39; Canada Goose, 11,025; **White-fronted Goose,** 1; Snow Goose, 4; Blue Goose, 12; Mallard, 9000; Gadwall, 575; Pintail, 900; Green-winged Teal, 105; Am. Widgeon, 600; Shoveler, 124; Canvasback, 6; Lesser Scaup, 210; Common Goldeneye, 16; Bufflehead, 29; Ruddy Duck, 10; Hooded Merganser, 6; Common Merganser, 12; Cooper's Hawk, 2; Red-tailed Hawk, 10; Rough-legged Hawk, 2; Golden Eagle, 8; Bald Eagle, 9; Marsh Hawk, 70; Sparrow Hawk, 2; Bobwhite, 400; Ring-necked Pheasant, 14; Turkey, 51; Am. Coot, 61; Killdeer, 45; Common Snipe, 12; Herring Gull, 4100; Ring-billed Gull, 6000; Mourning Dove, 28; Roadrunner, 3; Barn Owl, 4; Screech Owl, 6; Great Horned Owl, 3; Short-eared Owl, 4; Belted Kingfisher, 7; Yellow-shafted Flicker, 93; Red-shafted Flicker, 32; Red-bellied Woodpecker, 14; Hairy Woodpecker, 3; Downy Woodpecker, 20; Tree Swallow, 2; Common Crow, 122; Carolina Chickadee, 45; Tufted Titmouse, 14; Brown Creeper, 1; Bewick's Wren, 8; Carolina Wren, 7; Mockingbird, 1; Brown Thrasher, 2; Robin, 18; Eastern Bluebird, 56; Loggerhead Shrike, 10; Starling, 217; House Sparrow, 36; Eastern and Western Meadowlark, 250; Redwinged Blackbird, 300; Brewer's Blackbird, 260; Brown-headed Cowbird, 12; Cardinal, 600; Am. Goldfinch, 35; Rufous-sided Towhee, 26; Slate-colored Junco, 15; Tree Sparrow, 18; Harris' Sparrow, 468; Fox Sparrow, 2; Song Sparrow, 27. **Total,** 71 species; about 36,229 individuals.—Leslie E. Beaty, Lyle Byfield, Addie Fromholz, Florel Helema, Harold Miller, Paul Nighswonger, Bess Smith, Charles Ward (compiler).

459. Spavinaw, Okla. (all points within a 15-mile diameter circle, center at Tulsa Ozark Club, including Upper and Lower Spavinaw lakes and Grand River Dam; open lake 40%, wooded creekbottoms 35%, oak-hickory hillsides 15%, agricultural 10%).—Jan. 1; 6 a.m. to 5 p.m. Clear; temp. 25° to 46°; wind SW, 0-15 m.p.h.; 3-4-in. snow on ground, ponds and sloughs frozen. Six observers in 1 party. Total party-hours, 11 (7 on foot, 4 by car); total party-miles, 76 (6 on foot, 70 by car). ► Pied-billed Grebe, 16; Great Blue Heron, 8; Mallard, 600; Black Duck, 1; Common Goldeneye, 18; Common Merganser, 800; Cooper's Hawk, 1; Red-tailed Hawk, 12; Bald Eagle, 10; Marsh Hawk, 2; Sparrow Hawk, 1; Bobwhite, 2; Am. Coot, 3; Killdeer, 11; Common Snipe, 9; Herring Gull, 3; Ring-billed Gull, 250; Mourning Dove, 7; Great Horned Owl, 4; Belted Kingfisher, 7; Yellow-shafted Flicker, 65; Pileated Woodpecker, 7; Red-bellied Woodpecker, 12; Yellow-bellied Sapsucker, **18**; Hairy Woodpecker, 5; Downy Woodpecker, 11; **Eastern Phoebe,** 1 (carefully identified at close range); Horned Lark, 750; Blue Jay, 6; Common Crow, 75; Carolina Chickadee, 60; Tufted Titmouse, 35; White-breasted Nuthatch, 12; Brown Creeper, 3; Winter Wren, 2; Bewick's Wren, 1; Carolina Wren, 12; Mockingbird, 3; Robin, 55; Hermit Thrush, **26**; Eastern Bluebird, 85; Ruby-crowned Kinglet, 3; Cedar Waxwing, 110; Loggerhead Shrike, 6; Starling, 800; Myrtle Warbler, 3; House Sparrow, 35; Eastern Meadowlark, 300; Western Meadowlark, 1; Redwinged Blackbird, 1500; Rusty Blackbird, 25; Brown-headed Cowbird, 8; Cardinal, 60; Purple Finch, 65; Am. Goldfinch, 450; Slate-colored Junco, 1000; Tree Sparrow, 6; Field Sparrow, 7; Harris' Sparrow, 10; White-throated Sparrow, 50; Swamp Sparrow, 3; Song Sparrow, 15. **Total,** 62 species, about 7466 individuals.—Jimmy Arterburn, Mable Daringer, Mary Ann Daringer, James L. Norman (compiler), Vaud A. Travis, Jr., Vivian Travis.

460. Stillwater, Okla. (all points within a 15-mile diameter circle, center same as in previous years).—Dec. 27; 6 a.m. to 5:30 p.m. Cloudy a.m., clearing p.m.; temp. 35° to 49°; wind SW, 3-7 m.p.h.; water open, ponds and lakes not full. Nine observers in 1-2 parties. Total party-hours, 14 (8 on foot, 6 by car); total party-miles, 48 (13 on foot, 35 by car). ► **Common Loon,** 1 (first winter record in 20 years); Mallard, 37; Common Merganser, 700; Cooper's Hawk, 2; Red-tailed Hawk, 18; hawks (sp.), 3; Rough-legged Hawk, 1; Marsh Hawk, 9; Sparrow Hawk, 2; Bobwhite, 70; Common Snipe, 2; Ring-billed Gull, 107; Barn Owl, 2; Great Horned Owl, 8; Barred Owl, 3; Belted Kingfisher, 2; Yellow-shafted Flicker, 30; Red-shafted Flicker, 1; Red-bellied Woodpecker, 18; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 4; Downy Woodpecker, 35; Blue Jay, 39; Common Crow, 28; Carolina Chickadee, 47; Tufted Titmouse, 26; White-breasted Nuthatch, 2; Brown Creeper, 7; Bewick's Wren, 11; Carolina Wren, 9; Mockingbird, **5**; Brown Thrasher, **2**; Robin, 1190; Eastern Bluebird, 43; Cedar Waxwing, 15; Loggerhead Shrike, 3; Starling, 122; Myrtle Warbler, 10; House Sparrow, 450; Eastern Meadowlark, 60; Western Meadowlark, 5; meadowlark (sp.), 120; Redwinged Blackbird, 512; Rusty Blackbird, 60; Cardinal, 62; Purple Finch, 2; Am. Goldfinch, 65;

Rufous-sided Towhee, 1; Le Conte's Sparrow, 1; Slate-colored Junco, 37; Tree Sparrow, 16; Field Sparrow, 5; Harris' Sparrow, 116; Song Sparrow, 27. **Total,** 52 species; about 4155 individuals.—F. M. Baumgartner (compiler), Mrs. F. M. Baumgartner, Mrs. W. C. Fawcett, Mr. and Mrs. L. D. Groom, Mr. and Mrs. C. Hitt, D. A. Shorter, Mrs. M. Stuart (Payne County Audubon Society).

461. Tulsa, Okla. (all points within a 15-mile diameter circle, center Mohawk Park 5 miles northeast of Tulsa as in 1957, including Sperry, and Garnett areas).—Dec. 28; 7 a.m. to 5 p.m. Clear to partly cloudy; temp. 40° to 50°; wind S, 10 m.p.h. Nineteen observers in 6 parties. Total party-hours, 22 (12 on foot, 10 by car); total party-miles, 39 (15 on foot, 24 by car). ► **Common Loon, 2** (20x scope at 500 yds.); Great Blue Heron, 14; Mallard, 199; Common Goldeneye, 8; Common Merganser, 1470; Cooper's Hawk, 1; Red-tailed Hawk, 27; Harlan's Hawk, 1; Red-shouldered Hawk, 1; Bald Eagle, 2; Marsh Hawk, 11; Sparrow Hawk, 6; Bobwhite, 55; Killdeer, 4; Herring Gull, 7; Ring-billed Gull, 250; Barn Owl, 1; Great Horned Owl, 8; Barred Owl, 4; Belted Kingfisher, 9; Yellow-shafted Flicker, 83; Pileated Woodpecker, 6; Red-bellied Woodpecker, 62; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 7; Hairy Woodpecker, 14; Downy Woodpecker, 88; **Eastern Phoebe, 1** (carefully identified); Blue Jay, 125; Common Crow, 161; Carolina Chickadee, 188; Tufted Titmouse, 141; White-breasted Nuthatch, 26; Brown Creeper, 7; Winter Wren, 2; Carolina Wren, 27; Mockingbird, 8; Robin, 108; Eastern Bluebird, 102; Golden-crowned Kinglet, 6; Ruby-crowned Kinglet, 1; Cedar Waxwing, 98; Loggerhead Shrike, 20; Starling, 412; Myrtle Warbler, 1; House Sparrow, 368; Eastern Meadowlark, 350; Western Meadowlark, 1; Redwinged Blackbird, 26; Rusty Blackbird, 49; Brewer's Blackbird, 17; Brown-headed Cowbird, 2; Cardinal, 82; Am. Goldfinch, 166; Rufous-sided Towhee, 3; Slate-colored Junco, 143; Tree Sparrow, 8; Field Sparrow, 10; Harris' Sparrow, 7; White-throated Sparrow, 40; Fox Sparrow, 14; Lincoln's Sparrow, 1; Song Sparrow, 62. **Total,** 63 species; about 5126 individuals. (Seen in area count period, but not on count day: Vesper Sparrow.)—Robert E. Boyle, C. L. Criswell, Lea Davis, Mrs. G. C. Getgood, Fraser Getgood, Elton L. Hall, Juanita Johnston, Mrs. Letitia Johnston, Mr. and Mrs. David O. Kassing, J. H. May, Mr. and Mrs. Bruce Reynolds, Mrs. L. P. Scott, Mr. and Mrs. Harold Spore, Alfred Steitz, Jr., Mrs. Frank Thomas, John S. Tomer (compiler).

462. Wichita Mountains Wildlife Refuge, Okla. (all points within a 15-mile diameter circle, center Mt. Marcy, including French, Comanche, Grama, Thomas and Parker Lakes, Cedar Creek, Pecan Springs; lake shores 10%, creekbottoms 40%, oak and rocky hills 15%, open prairie 35%).—Dec. 29; 6:45 a.m. to 5 p.m. Cloudy a.m., sleet late p.m.; temp. 26° to 61°; wind N, up to 30 m.p.h.; lakes and ponds open. Seven observers in 3 parties. Total party-hours, 25 (3 on foot, 22 by car); total party-miles, 150 (3 on foot, 147 by car). ► Horned Grebe, 2; Pied-billed Grebe, 5; Mallard, 683; Gadwall, 429; Pintail, 4; Green-winged Teal, 64; Am. Widgeon, 39; Ring-necked Duck, 20; Common Goldeneye, 13; Bufflehead, 10; Hooded Merganser, 2; Cooper's Hawk, 1; Red-tailed Hawk, 4; Rough-legged Hawk, 1; Golden Eagle, 1; Bald Eagle, 26; Marsh Hawk, 3; Prairie Falcon, 1; Sparrow Hawk, 1; Bobwhite, 23; Turkey, 38; Am. Coot, 34; Killdeer, 2; Ring-billed Gull, 1; Mourning Dove, 28; Screech Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 13; Red-shafted Flicker, 1; Red-bellied Woodpecker, 4; Red-headed Woodpecker, 4; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 6; Downy Woodpecker, 10; Blue Jay, 45; Common Crow, 110; Carolina Chickadee, 34; Tufted Titmouse, 30; White-breasted Nuthatch, 3; Bewick's Wren, 8; Carolina Wren, 3; Rock Wren, 2; Mockingbird, 1; Robin, 604; Eastern Bluebird, 8; Golden-crowned Kinglet, 1; Cedar Waxwing, 245; Starling, 192; Myrtle Warbler, 32; **Audubon's Warbler, 1** (with Myrtles—W. D.); House Sparrow, 9; Eastern Meadowlark, 30; Western Meadowlark, 5; Redwinged Blackbird, 3; Cardinal, 81; Purple Finch, 28; Am. Goldfinch, 68; Rufous-sided Towhee, 1; Vesper Sparrow, 12; Slate-colored Junco, 492; Oregon Junco, 56; Tree Sparrow, 39; Field Sparrow, 7; Harris' Sparrow, 96; White-crowned Sparrow, 1; Fox Sparrow, 1; Song Sparrow, 1; Chestnut-collared Longspur, 21. **Total,** 68 species; about 3747 individuals. (Seen in area count period, but not on count day: Great Blue Heron, Common Snipe, Red-breasted Nuthatch, Loggerhead Shrike.)—Charles C. Carpenter, W. Marvin Davis, Mr. and Mrs. Daniel Delly, Arthur F. Halloran (compiler), Mrs. Arthur F. Halloran, Julian A. Howard.

463. Alice, Tex. (160 acres of virgin brush country at NW corner of intersection of Farm Road 1554 and Jim Wells County Road 136, 6 miles SW of Alice).—Dec. 21; 6 a.m. to 3:30 p.m. and 5 p.m. to 6 p.m. Overcast; temp. 40° to 76°; wind N, 5 m.p.h.; 2 small water holes. One observer. Total hours, 10½; total miles, 9 (all on foot). ► Great Blue Heron, 2; Turkey Vulture, 8; Black Vulture, 3; Cooper's Hawk, 2; Harris' Hawk, 5; Marsh Hawk, 1; Caracara, 3; Sparrow Hawk, 3; Bobwhite, 125; Sandhill Crane, 10; Killdeer, 118; Common Snipe, 1; Mourning Dove, 312; Ground Dove, 68; Inca Dove, 2; Roadrunner, 5; Great Horned Owl, 2; Golden-fronted Woodpecker, 10; Ladder-backed Woodpecker, 3; Eastern Phoebe, 4; Verdin, 8; House Wren, 63; Bewick's Wren, 15; Cactus Wren, 42; Mockingbird, 225; Long-billed Thrasher, 11; Curve-billed Thrasher, 100; Blue-gray Gnatcatcher, 4; Ruby-crowned Kinglet, 1; Water Pipit, 31; Loggerhead Shrike, 4; Starling, 9; White-eyed Vireo, 4; Orange-crowned Warbler, 1; Yellowthroat, 4; House Sparrow, 65; Western Meadowlark, 84; Brewer's Blackbird, 495; Boat-tailed Grackle, 62; Brown-headed Cowbird, 285; Cardinal, 36; Pyrrhuloxia, 225; Am. Goldfinch, 7; Olive Sparrow, 1; Savannah Sparrow, 15; Vesper Sparrow, 7; Lark Sparrow, 18; Black-throated Sparrow, 91; Field Sparrow, 15; White-crowned Sparrow, 13; Lincoln's Sparrow, 149. **Total,** 51 species; about 2777 individuals. (Seen in area count period, but not on count day: Barn Owl, Pauraque.)—Richard O. Albert.

464. Amarillo, Tex. (all points within a 15-mile diameter circle, center at entrance to Palo Duro State Park; prairie 5%, streambeds with cottonwood and hackberry 30%, canyon walls 17%, grassland-mesquite-juniper-cactus 48%).—Dec. 27; 8 a.m. to 5:45 p.m. Clear; temp. 23° to 61°; wind 0-3 m.p.h.; some water in creeks, ice-covered. Seven observers in 1-2 parties. Total party-hours, 11 (9 on foot, 2 by car); total party-miles, 32 (15 on foot, 17 by car). ► Swainson's Hawk, 1 (seen well); Rough-legged Hawk, 2; Golden Eagle, 2; Marsh Hawk, 1; Prairie Falcon, 1; Sparrow Hawk, 4; Bobwhite, 23; Belted Kingfisher, 1; Yellow-shafted Flicker, 1; Red-shafted Flicker, 20; Golden-fronted Woodpecker, 7; Yellow-bellied Sapsucker, 1; Ladder-backed Woodpecker, 3; Horned Lark, 1; chickadee (sp.), 1; Black-crested Titmouse, 18; Red-breasted Nuthatch, 1; Bewick's Wren, 3; Cañon Wren, 6; Rock Wren, 8; Mockingbird, 7; thrasher (sp.), 1; Robin, 302; Eastern Bluebird, 42; Mountain Bluebird, 94; Townsend's Solitaire, 4; Golden-crowned Kinglet, 5; Ruby-crowned Kinglet, 1; Loggerhead Shrike, 3; Myrtle Warbler, 1; Audubon's Warbler, 4; House Sparrow, 18; Western Meadowlark, 81; Cardinal, 39; Pine Siskin, 2; Am. Goldfinch, 9; Rufous-sided Towhee, 8; Baird's Sparrow, 2; **Cassin's Sparrow, 1** (carefully identified); Oregon Junco, 158; Tree Sparrow, 1; Field Sparrow, 10; White-crowned Sparrow, 5; Song Sparrow, 9. **Total,** 44 species; about 912 individuals. (Seen in area count period, but not on count day: injured **Bohemian Waxwing** in hand.)—Mrs. I. D. Acord (compiler), Mr. and Mrs. Clyde Biller, Joe B. Browder, A. Doyle Foreman, Mrs. L. E. Moyer, Mrs. George Waddill.

465. Aransas National Wildlife Refuge, Tex. (all points within a 15-mile diameter circle, center near mid-point of Blackjack Peninsula, including all 47,000 acres of refuge).—Dec. 27; 8 a.m. to 5 p.m.; temp. 45° to 65°; calm. Three observers in 2 parties. Total party-hours, 24 (8 on foot, 16 by car); total party-miles, 75 (8 on foot, 67 by car). ► Eared Grebe, 2; Pied-billed Grebe, 4; White Pelican, 750; Brown Pelican, 4; Double-crested Cormorant, 6; Great Blue Heron, 5; Little Blue Heron, 2; Common Egret, 80; Snowy Egret, 20; Louisiana Heron, 3; Am. Bittern, 1; White Ibis, 4; Canada Goose, 12,200; White-fronted Goose, 15; Snow Goose, 1200; Blue Goose, 100; Mallard, 26; Black Duck, 2; Gadwall, 400; Pintail, 12,000; Am. Widgeon, 9000; Redhead, 500; Ring-necked Duck, 2; Canvasback, 8; Lesser Scaup, 450; Common Goldeneye, 1; Ruddy Duck, 2; Turkey Vulture, 50; Black Vulture, 30; Cooper's Hawk, 2; Red-tailed Hawk, 6; White-tailed Hawk, 1; Bald Eagle, 2; Marsh Hawk, 4; Caracara, 4; Sparrow Hawk, 62; Bobwhite, 8; Turkey, 10; **Whooping Crane, 27**; Sandhill Crane, 75; Am. Coot, 600; Killdeer, 6; Common Snipe, 2; Long-billed Curlew, 5; Solitary Sandpiper, 12; Willet, 2; Greater Yellowlegs, 2; Least Sandpiper, 12; Herring Gull, 50; Ring-billed Gull, 12; Laughing Gull, 15; Gull-billed Tern, 100; Forster's Tern, 15; Royal Tern, 2; Caspian Tern, 2; Mourning Dove, 112; Ground Dove, 1; Roadrunner, 1; Barn Owl, 1; Great Horned Owl, 1; Lesser Nighthawk, 2 [no details and not underlined as unusual—Ed.]; Belted Kingfisher, 3; Yellow-shafted Flicker, 6; Ladder-backed Woodpecker, 1; Eastern Kingbird, 1 [no details and not underlined as unusual—Ed.]; Eastern Phoebe, 3; Vermilion Flycatcher, 1; Mockingbird, 56; Catbird, 1; Brown Thrasher, 1; Robin, 50; Blue-gray Gnatcatcher, 35; Loggerhead Shrike, 85; Starling, 8; Eastern Meadowlark, 57; Boat-tailed Grackle, 4; Brown-headed Cowbird, 1000; Cardinal, 39; Savannah Sparrow, 4; Vesper Sparrow, 15; Lark Sparrow, 4; Field Sparrow, 6. **Total,** 82 species; about 39,415 individuals.—Mr. and Mrs. Earl Benham, Claude F. Lard (compiler).

466. Bastrop–Buescher State Parks, Tex. (all points within a 15-mile diameter circle, center on Park Road 1 midway between Bastrop and Buescher State Parks as last year).—Dec. 31; 9 a.m. to 5:30 p.m. Clear; temp. 28° to 43°; wind NW, 12-10 m.p.h.; ice early. Two observers in 1 party. Total party-hours, 8½ (2 on foot, 6½ by car); total party-miles, 18 (1 on foot, 17 by car). ► Pied-billed Grebe, 6; Turkey Vulture, 13; Black Vulture, 6; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Sparrow Hawk, 3; Killdeer, 4; Mourning Dove, 33; Roadrunner, 1; Yellow-shafted Flicker, 5; Red-bellied Woodpecker, 4; Yellow-bellied Sapsucker, 2; Downy Woodpecker, 6; Eastern Phoebe, 5; Blue Jay, 7; Common Crow, 12; Carolina Chickadee, 25; Tufted Titmouse, 20; Brown Creeper, 1; House Wren, 6; Bewick's Wren, 7; Carolina Wren, 16; Mockingbird, 55; Brown Thrasher, 6; Robin, 20; Hermit Thrush, 49; Eastern Bluebird, 108; Ruby-crowned Kinglet, 34; Cedar Waxwing, 145; Loggerhead Shrike, 6; Solitary Vireo, 3; Myrtle Warbler, 366; Pine Warbler, 16; House Sparrow, 20; Western Meadowlark, 8; Cardinal, 103; Purple Finch, 3; Am. Goldfinch, 20; Rufous-sided Towhee, 29; Savannah Sparrow, 2; Vesper Sparrow, 4; Lark Sparrow, 5; Slate-colored Junco, 119; Chipping Sparrow, 38; Field Sparrow, 78; White-throated Sparrow, 118; Fox Sparrow, 2; Lincoln's Sparrow, 6; Song Sparrow, 6. **Total,** 49 species; about 1553 individuals.—Ada Marie Webster, Fred S. Webster, Jr. (compiler).

467. Big Spring, Tex. (all points within a 15-mile diameter circle, center at point Moss Creek Lake road crosses Beals Creek; canyons with oak and juniper 45%, mesquite thickets 45%, lake 7%, cultivated fields 3%).—Dec. 20; 7:30 a.m. to 6 p.m. Clear; temp. 35° to 50°; wind S, 0-3 m.p.h.; water open. Five observers in 2-3 parties. Total party-hours, 23 (14 on foot, 9 by car); total party-miles, 88 (8 on foot, 80 by car). ► Pied-billed Grebe, 4; Great Blue Heron, 5; Gadwall, 25; Pintail, 1; Green-winged Teal, 52; Am. Widgeon, 2; Shoveler, 1; Redhead, 9; Ring-necked Duck, 13; Canvasback, 8; Lesser Scaup, 26; Ruddy Duck, 2; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 9; Ferruginous Hawk, 1; Marsh Hawk, 6; Sparrow Hawk, 1; Bobwhite, 6; Scaled Quail, 147; Sandhill Crane, 6; Killdeer, 11; Common Snipe, 6; Spotted Sandpiper, 1; Least Sandpiper, 20; dowitcher (sp.), 6; Western

Sandpiper, 4; Mourning Dove, 20; **Inca Dove, 14** (spreading northward in Texas); Great Horned Owl, 3; Belted Kingfisher, 1; Yellow-shafted Flicker, 4; Red-shafted Flicker, 10; Golden-fronted Woodpecker, 4; Yellow-bellied Sapsucker, 1; Ladder-backed Woodpecker, 18; Horned Lark, 35; White-necked Raven, 72; Verdin, 4; Brown Creeper, 2; Bewick's Wren, 13; Cactus Wren, 5; Cañon Wren, 2; Rock Wren, 6; Mockingbird, 155; Curve-billed Thrasher, 1; Sage Thrasher, 2; Robin, 4; Hermit Thrush, 5; Townsend's Solitaire, 2; Blue-gray Gnatcatcher, 1; Golden-crowned Kinglet, 6; Ruby-crowned Kinglet, 23; Water Pipit, 2; Cedar Waxwing, 16; Loggerhead Shrike, 13; Starling, 57; Orange-crowned Warbler, 2; Myrtle Warbler, 21; Audubon's Warbler, 2; House Sparrow, 672; Western Meadowlark, 90; Brewer's Blackbird, 281; Brown-headed Cowbird, 320; Cardinal, 71; Pyrrhuloxia, 1; House Finch, 16; Pine Siskin, 4; Am. Goldfinch, 9; Lesser Goldfinch, 2; Rufous-sided Towhee, 15; Brown Towhee, 12; Black-throated Sparrow, 3; Oregon Junco, 178; White-crowned Sparrow, 203; White-throated Sparrow, 1; Song Sparrow, 5. **Total,** 77 species; about 2783 individuals.—Walter Ammon, John Galley, Anne LeSassier, Frances Williams (compiler), Harold Williams.

468. Carrizo Springs, Tex. (all points within a 15-mile diameter circle, center on dam of Lake Espantosa; wooded riverbottoms 50%, mesquite pastures 15%, small ponds 30%, irrigated farmland 5%).—Dec. 26; 7:30 a.m. to 6 p.m. Overcast until 10 a.m.; temp. 49° to 78°; wind S, 0-1 m.p.h.; all lakes and streams full. Two observers in 1 party. Total party-hours, 10½ (8 on foot, 2½ by car); total party-miles, 58 (8 on foot, 50 by car). ► Pied-billed Grebe, 7; Great Blue Heron, 4; Common Egret, 4; Mallard, 16; Gadwall, 25; Pintail, 230; Green-winged Teal, 4; Blue-winged Teal, 5; Am. Widgeon, 66; Shoveler, 12; Redhead, 2; Canvasback, 12; Lesser Scaup, 1; Ruddy Duck, 6; Turkey Vulture, 10; Red-tailed Hawk, 2; Red-shouldered Hawk, 1; Harris' Hawk, 17; Golden Eagle, 1; Marsh Hawk, 5; Sparrow Hawk, 18; Bobwhite, 36; Sandhill Crane, 700; Sora, 2; Am. Coot, 8; Killdeer, 17; Common Snipe, 4; Greater Yellowlegs, 12; Lesser Yellowlegs, 3; Least Sandpiper, 5; Short-billed Dowitcher, 4; Mourning Dove, 1000; Ground Dove, 3; Inca Dove, 14; Roadrunner, 4; Barn Owl, 3; Great Horned Owl, 12; Barred Owl, 2; Belted Kingfisher, 2; Red-shafted Flicker, 2; Golden-fronted Woodpecker, 14; Ladder-backed Woodpecker, 9; Eastern Phoebe, 9; Say's Phoebe, 7; Vermilion Flycatcher, **19**; Horned Lark, 140; White-necked Raven, 275; Black-crested Titmouse, 6; Verdin, 6; House Wren, 3; Bewick's Wren, 11; Carolina Wren, 5; Cactus Wren, 3; Long-billed Marsh Wren, 2; Mockingbird, 53; Robin, 1; Hermit Thrush, 1; Eastern Bluebird, 5; Blue-gray Gnatcatcher, 4; Ruby-crowned Kinglet, 15; Water Pipit, 22; Loggerhead Shrike, 15; Starling, 25; White-eyed Vireo, 1; Orange-crowned Warbler, 4; Myrtle Warbler, 12; Yellowthroat, 2; House Sparrow, 100; meadowlark (sp.), 200; Western Meadowlark, 1; Redwinged Blackbird, 50; Rusty Blackbird, 100; Brewer's Blackbird, 200; Boat-tailed Grackle, 1500; Common Grackle, 500; Brown-headed Cowbird, 2000; Cardinal, 24; Pyrrhuloxia, 11; Am. Goldfinch, 22; Rufous-sided Towhee, 39; Olive Sparrow, 2; Savannah Sparrow, 6; Vesper Sparrow, 23; Lark Sparrow, 1 (record low); Black-throated Sparrow, 3; Oregon Junco, 8; **Harris' Sparrow, 3** (carefully identified); White-crowned Sparrow, 42; **White-throated Sparrow, 1**; Lincoln's Sparrow, 3; Swamp Sparrow, 3; Song Sparrow, 15. **Total,** 91 species; about 7607 individuals.—Kent Rylander, Roddy Rylander (compiler).

469. Coleman, Tex. (all points within a 15-mile diameter circle, center same as in previous years).—Dec. 22; 7:30 a.m. to 5 p.m. Mostly clear; temp. 50° to 59°; wind SW, 5-18 m.p.h. Three observers in 1 party. Total party-hours, 9½ (4½ on foot, 5 by car); total party-miles, 78 (15 on foot, 63 by car). ► Eared Grebe, 1; Pied-billed Grebe, 8; Great Blue Heron, 4; Mallard, 8; Pintail, 35; Green-winged Teal, 4; Redhead, 7; Ring-necked Duck, 6; Canvasback, 12; Lesser Scaup, 27; Bufflehead, 7; Ruddy Duck, 28; Turkey Vulture, 2; Cooper's Hawk, 1; Red-tailed Hawk, 3; Marsh Hawk, 1; Sparrow Hawk, 4; Bobwhite, 36; Am. Coot, 125; Killdeer, 8; Semipalmated Sandpiper, 23; Mourning Dove, 95; Inca Dove, 1; Roadrunner, 1; Belted Kingfisher, 2; Red-shafted Flicker, 6; Golden-fronted Woodpecker, 4; Ladder-backed Woodpecker, 5; Blue Jay, 1; White-necked Raven, 1; Tufted Titmouse, 3; Bewick's Wren, 1; Long-billed Marsh Wren, 6; Short-billed Marsh Wren, 5; Rock Wren, 1; Mockingbird, 25; Robin, 5; Eastern Bluebird, 1; Mountain Bluebird, 1; Water Pipit, 2; Sprague's Pipit, 3; Loggerhead Shrike, 15; Starling, 50; Orange-crowned Warbler, 2; Audubon's Warbler, 7; House Sparrow, 67; Western Meadowlark, 144; Redwinged Blackbird, 17; Brewer's Blackbird, 2; Brown-headed Cowbird, 4; Cardinal, 55; Purple Finch, 4; Am. Goldfinch, 56; Rufous-sided Towhee, 4; Vesper Sparrow, 15; Slate-colored Junco, 84; Field Sparrow, 28; Harris' Sparrow, 11; White-crowned Sparrow, 76; Song Sparrow, 8. **Total,** 60 species; about 1168 individuals. (Seen in area count period, but not on count day: House Wren.)—Mr. and Mrs. C. F. Blanton, Mrs. Marcus V. Durham (compiler).

470. Dallas, Tex. (all points within a 15-mile diameter circle, center S.M.U. Campus as last year with addition of Tenison Park and Lake Cliff; lakeshore, cattail marsh, creek and river bottoms 50%, parks and residential 20%, deciduous farm woodlots and pasture 30%).—Dec. 27; 7 a.m. to 5:45 p.m. Clear; temp. 40° to 58°; wind W, 2-6 m.p.h.; lakes full, water open. Sixteen observers in 4 parties. Total party-hours, 31 (11 on foot, 20 by car); total party-miles, 180 (13 on foot, 167 by car). ► Horned Grebe, 2; Eared Grebe, 1; Pied-billed Grebe, 35; Great Blue Heron, 7; Black-crowned Night Heron, 1; Yellow-crowned Night Heron, 4; Mallard, 151; Gadwall, 25; Pintail, 40; Green-winged Teal, 245; Am. Widgeon, 26; Shoveler, 39; Redhead, 2; Ring-necked Duck, 63; Canvasback, 18; Lesser Scaup, 119; Bufflehead, 2; Ruddy Duck, 83; Cooper's Hawk, 2; Red-tailed Hawk, 11; Red-shouldered Hawk, 2; Peregrine Fal-

con, 1; Sparrow Hawk, 17; Bobwhite, 12; Am. Coot, 545; Killdeer, 44; Common Snipe, 10; Herring Gull, 5; Ring-billed Gull, 17; Mourning Dove, 68; Roadrunner, 2; Barred Owl, 1; Belted Kingfisher, 4; Yellow-shafted Flicker, 53; Red-shafted Flicker, 1; Red-bellied Woodpecker, 54; Yellow-bellied Sapsucker, 8; Hairy Woodpecker, 7; Downy Woodpecker, 11; Ladder-backed Woodpecker, 3; Eastern Phoebe, 1; Blue Jay, 57; Common Crow, 107; Carolina Chickadee, 45; Tufted Titmouse, 30; White-breasted Nuthatch, 1; Brown Creeper, 8; Winter Wren, 1; Bewick's Wren, 5; Carolina Wren, 22; Mockingbird, 24; Brown Thrasher, 4; Robin, 13; Hermit Thrush, 2; Eastern Bluebird, 14; Blue-gray Gnatcatcher, 1; Ruby-crowned Kinglet, 7; Cedar Waxwing, 7; Loggerhead Shrike, 48; Starling, 18,486; Myrtle Warbler, 7; House Sparrow, 57; Eastern Meadowlark, 49; Western Meadowlark, 19; Redwinged Blackbird, 244,437; Brewer's Blackbird, 4; Boat-tailed Grackle, 971; Common Grackle, 1; Brown-headed Cowbird, 128; Cardinal, 107; Purple Finch, 21; Am. Goldfinch, 91; Rufous-sided Towhee, 5; Savannah Sparrow, 2; Vesper Sparrow, 16; Lark Sparrow, 36; Slate-colored Junco, 434; Field Sparrow, 25; Harris' Sparrow, 123; White-throated Sparrow, 189; Fox Sparrow, 50; Swamp Sparrow, 1; Song Sparrow, 49. **Total,** 83 species; about 267,446 individuals. (Seen in area count period, but not on count day: Am. Bittern, Hooded Merganser, Orange-crowned Warbler, Yellowthroat, Rusty Blackbird.)—Margaret Chapin, Edward C. Fritz, Lynn and Margaret Hardgrave, Lyndon M. Jackson, C. E. Kiblinger, Murray Marshall (compiler), Doris McGuire, Hazel Nichols, Geth Osborn, Robert Rodgers, J. F. Rothermel, Sr., Floyd L. Shirey, Rev. Claude E. Valentine, Eula Whitehouse, Edith Winford (Dallas Audubon Society).

471. Davis Mountains, Tex. (all points within a 15-mile diameter circle, center 7½ miles WNW of junction of Frazier Canyon and Limpia Canyon; elevation 4550-6791 ft.; streamsides with willow and cottonwood 38%, hillsides with juniper-piñon-oak 18%, rock canyons with grass-yucca-agave-acacia 12%, foothills with mesquite and acacia 12%, pine-oak forest 12%, cliffs with oak and acacia 8%).—Dec. 26; 7:30 a.m. to 5 p.m. Clear; temp. 33° to 58°; wind NE, 5-10 m.p.h.; water open. Six observers in 2 parties. Total party-hours, 16 (9 on foot, 7 by car); total party-miles, 76 (9 on foot, 67 by car). ► Green-winged Teal, 8; Red-tailed Hawk, 2; Ferruginous Hawk, 2; Sparrow Hawk, 2; Scaled Quail, 3; Killdeer, 4; Mourning Dove, 1; Roadrunner, 1; Great Horned Owl, 1; Belted Kingfisher, 1; Red-shafted Flicker, 2; Acorn Woodpecker, 11; Ladder-backed Woodpecker, 6; **Eastern Phoebe, 1** (carefully identified); Black Phoebe, 8; Say's Phoebe, 12; Scrub Jay, 20; Black-crested Titmouse, 14; Common Bushtit, 48; Black-eared Bushtit, 1 (not unusual here); White-breasted Nuthatch, 1; Bewick's Wren, 1; Cactus Wren, 1; Cañon Wren, 11; Rock Wren, 37; Mockingbird, 25; Sage Thrasher, 1; Robin, 2; Hermit Thrush, 8; Western Bluebird, 5; Mountain Bluebird, 2; Ruby-crowned Kinglet, 33; Water Pipit, 6; Loggerhead Shrike, 16; Myrtle Warbler, 3; Audubon's Warbler, 29; House Sparrow, 20; Western Meadowlark, 6; Brewer's Blackbird, 30; Brown-headed Cowbird, 3; Cardinal, 10; Pyrrhuloxia, 12; **Purple Finch, 2** (carefully identified); House Finch, 52; Pine Siskin, 1; Am. Goldfinch, 17; Lesser Goldfinch, 22; Rufous-sided Towhee, 6; Brown Towhee, 23; Vesper Sparrow, 9; Rufous-crowned Sparrow, 2; Black-throated Sparrow, 12; Slate-colored Junco, 6; Oregon Junco, 25; Chipping Sparrow, 221; Brewer's Sparrow, 18; **Field Sparrow, 2** (carefully identified); White-crowned Sparrow, 216; Lincoln's Sparrow, 6; Song Sparrow, 2. **Total,** 60 species; about 1052 individuals. (Seen in area count period, but not on count day: Yellow-bellied Sapsucker.)—John Galley, Margret Galley, Robert T. Lynn, A. R. Thompson, Frances Williams (compiler), Harold Williams.

472. Del Rio, Tex. (all points within a 15-mile diameter circle, center 5 miles SE of U. S. 90 bridge over Devil's River; brushy streamsides 8%, rocky canyons with chaparral 8%, grassland with thickets of mesquite 6%, lake and river 5%, parks 3%, marsh 3%, roadside thickets 3%, misc. 64%).—Dec. 28; 7:30 a.m. to 5:30 p.m. Clear; temp. 42° to 80°; wind E, 5-0 m.p.h.; water open. Eleven observers in 4 parties. Total party-hours, 36 (26 on foot, 6 by car, 4 by boat); total party-miles, 44 (16 on foot, 24 by car, 4 by boat). ► Pied-billed Grebe, 7; Great Blue Heron, 8; Green Heron, 1; Mallard, 12; Gadwall, 42; Green-winged Teal, 68; Am. Widgeon, 24; Shoveler, 6; Ring-necked Duck, 11; Canvasback, 1; Common Goldeneye, 2; Bufflehead, 25; Turkey Vulture, 6; Black Vulture, 3; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 13; Rough-legged Hawk, 1; Ferruginous Hawk, 1; Marsh Hawk, 4; Sparrow Hawk, 18; Scaled Quail, 47; **Sandhill Crane, 4** (heard by experienced birder); Am. Coot, 78; Killdeer, 36; Common Snipe, 3; Spotted Sandpiper, 12; Greater Yellowlegs, 12; Least Sandpiper, 3; Western Sandpiper, 8; Mourning Dove, 112; Ground Dove, 3; Inca Dove, 21; Roadrunner, 1; Great Horned Owl, 3; Belted Kingfisher, 11; Green Kingfisher, 4; Yellow-shafted Flicker, 6; Red-shafted Flicker, 8; Golden-fronted Woodpecker, 45; Yellow-bellied Sapsucker, 1; Ladder-backed Woodpecker, 12; **Tropical Kingbird, 2** (all field marks); Eastern Phoebe, 6; Black Phoebe, 23; Say's Phoebe, 2; Vermilion Flycatcher, 30; Tree Swallow, 20; Rough-winged Swallow, 6; White-necked Raven, 87; Black-crested Titmouse, 5; Verdin, 26; **Common Bushtit, 1** (with Verdin); Brown Creeper, 4; House Wren, 10; Winter Wren, 1; Bewick's Wren, 35; Cactus Wren, 1; Long-billed Marsh Wren, 12; **Short-billed Marsh Wren, 5** (2 parties); Cañon Wren, 5; Rock Wren, 22; Mockingbird, 120; Brown Thrasher, 1 (carefully identified); Robin, 1; Hermit Thrush, 1; Blue-gray Gnatcatcher, 7; Ruby-crowned Kinglet, 27; Water Pipit, 42; Loggerhead Shrike, 15; Starling, 4; Solitary Vireo, 1; Orange-crowned Warbler, 17; Myrtle Warbler, 43; Audubon's Warbler, 11; **Black-throated Gray Warbler, 1** (all field marks); Yellowthroat, 8; House Sparrow, 366; Western Meadowlark, 89; Redwinged Blackbird, 10; **Hooded Oriole, 1** (5 observers); Brewer's Blackbird, 141;

Boat-tailed Grackle, 112; Brown-headed Cowbird, 4; Cardinal, 112; Pyrrhuloxia, 51; House Finch, 65; Am. Goldfinch, 3; Lesser Goldfinch, 22; Green-tailed Towhee, 3; Rufous-sided Towhee, 8; Brown Towhee, 5; Savannah Sparrow, 1; Baird's Sparrow, 4; Vesper Sparrow, 2; Lark Sparrow, 1; Black-throated Sparrow, 58; Slate-colored Junco, 1; Brewer's Sparrow, 5; **Harris' Sparrow, 7** (seen well by 2 parties); White-crowned Sparrow, 71; **Fox Sparrow, 2** (2 parties); Lincoln's Sparrow, 17; Swamp Sparrow, 2; Song Sparrow, 21. **Total,** 105 species; about 2472 individuals. (Seen in area count period, but not on count day: Lesser Scaup.)—Walter Ammon, Charles Gaines, John Galley, Margret Galley, Ola Dublin Haynes, Anne LeSassier, Robert T. Lynn, A. R. Thompson, Frances Williams (compiler), Harold Williams, Steve Williams.

473. **Denton, Tex.** (all points within a 15-mile diameter circle, center on Corinth as last 3 years; lake shore 10%, deciduous creekbottoms 50%, open fields and pastures 10%, prairies 30%).—Jan. 1; 6 a.m. to 5:30 p.m. Clear; temp. 19° to 58°; wind S, 5-15 m.p.h.; average rainfall, lakes below conservation level. Five observers in 2 parties. Total party-hours, 21 (11 on foot, 10 by car); total party-miles, 170 (9 on foot, 161 by car). ► Common Loon, 1; White Pelican, 3; Great Blue Heron, 41; Common Egret, 2; Black-crowned Night Heron, 1; Mallard, 2; Gadwall, 2; Pintail, 4; Green-winged Teal, 3; Am. Widgeon, 4; Shoveler, 1; Redhead, 16; Ring-necked Duck, 5; Canvasback, 2; Lesser Scaup, 10; Turkey Vulture, 52; Cooper's Hawk, 1; Red-tailed Hawk, 7; Marsh Hawk, 16; Sparrow Hawk, 23; Bobwhite, 8; Am. Coot, 4; Killdeer, 37; Common Snipe, 1; Least Sandpiper, 22; Western Sandpiper, 6; Herring Gull, 1; Ring-billed Gull, 30; Franklin's Gull, 20; Mourning Dove, 108; Screech Owl, 2; Great Horned Owl, 1; Barred Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 49; Red-shafted Flicker, 4; Red-bellied Woodpecker, 21; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 4; Downy Woodpecker, 21; Horned Lark, 1400; Blue Jay, 12; Common Crow, 69; Carolina Chickadee, 55; Tufted Titmouse, 19; Brown Creeper, 4; House Wren, 1; Bewick's Wren, 9; Carolina Wren, 5; Mockingbird, 36; Brown Thrasher, 1; Robin, 8; Hermit Thrush, 1; Eastern Bluebird, 35; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 3; Water Pipit, 10; Loggerhead Shrike, 30; Starling, 1800; Myrtle Warbler, 14; House Sparrow, 582; Eastern Meadowlark, 22; Western Meadowlark, 1; meadowlark (sp.), 967; Redwinged Blackbird, 2500; Brewer's Blackbird, 45; Cardinal, 86; Am. Goldfinch, 20; Rufous-sided Towhee, 2; Savannah Sparrow, 4; Vesper Sparrow, 1; Lark Sparrow, 6; Slate-colored Junco, 206; Chipping Sparrow, 1; Field Sparrow, 75; Harris' Sparrow, 142; White-throated Sparrow, 8; Lincoln's Sparrow, 1; Song Sparrow, 10; McCown's Longspur, 20; Chestnut-collared Longspur, 1. **Total,** 80 species; about 8754 individuals. (Seen in area count period, but not on count day: Roadrunner, Purple Finch.)—Betty Lincoln, Joanne Lincoln, A. Lockwood, R. Lockwood (compiler), Roddy Rylander.

474. **Eagle Pass, Tex.** (all points within a 15-mile diameter circle, center 2 miles southeast of El Indio as last year).—Dec. 21; 7:30 a.m. to 5:30 p.m. Cloudy, clearing briefly in afternoon; temp. 49° to 61°; no wind. Five observers in 1 party. Total party-hours, 10; total party-miles, 30 (5 on foot, 25 by car). ► Least Grebe, 1; Great Blue Heron, 6; Gadwall, 1; Pintail, 2; Green-winged Teal, 5; Am. Widgeon, 6; Ring-necked Duck, 12; Canvasback, 1; Lesser Scaup, 1; Turkey Vulture, 1; Black Vulture, 3; Cooper's Hawk, 2; Red-tailed Hawk, 3; Swainson's Hawk, 1; Harris' Hawk, 27; Marsh Hawk, 24; Sparrow Hawk, 26; Bobwhite, 12; Scaled Quail, 10; Sandhill Crane, 207; Common Gallinule, 4; Am. Coot, 18; Killdeer, 6; Greater Yellowlegs, 5; Mourning Dove, 550; Ground Dove, 4; Roadrunner, 3; Barn Owl, 3; Screech Owl, 1; Great Horned Owl, 2; Burrowing Owl, 1; Belted Kingfisher, 1; flicker (sp.), 1; Ladder-backed Woodpecker, 6; Golden-fronted Woodpecker, 4; Eastern Phoebe, 3; Black Phoebe, 2; Say's Phoebe, 30; Vermilion Flycatcher, 14; White-necked Raven, 11; Black-crested Titmouse, 1; Verdin, 1; House Wren, 2; Bewick's Wren, 3; Cactus Wren, 1; Long-billed Marsh Wren, 1; Short-billed Marsh Wren, 1; Rock Wren, 1; Mockingbird, 21; Blue-gray Gnatcatcher, 1; Ruby-crowned Kinglet, 3; Water Pipit, 2; Loggerhead Shrike, 25; Nashville Warbler, 1 [no details—Ed.]; Myrtle Warbler, 37; Yellowthroat, 3; House Sparrow, 160; Western Meadowlark, 1075; Redwinged Blackbird, 2000; Brewer's Blackbird, 2000; Boat-tailed Grackle, 80; Brown-headed Cowbird, 2000; Cardinal, 13; Pyrrhuloxia, 98; House Finch, 6; Lesser Goldfinch, 35; Rufous-sided Towhee, 1; Lark Bunting, 10; Savannah Sparrow, 5; Vesper Sparrow, 41; Lark Sparrow, 1; Black-throated Sparrow, 6; White-crowned Sparrow, 210; Lincoln's Sparrow, 7; Song Sparrow, 25. **Total,** 75 species; about 8897 individuals. (Seen in area count period, but not on count day: **Groove-billed Ani.**)—Mrs. Royce A. Drake, Mr. and Mrs. Jack Keisling, Shirley Sherman, Dorothy O. Worrell (compiler).

475. **Eastern Travis County, Tex.** (all points within a 15-mile diameter circle, center 7 miles ESE of State Capitol Building, including east Austin, Bergstrom A.F.B., Elroy, Webberville, to Bastrop County Line; town 10%, plowed fields and pasture 30%, river and bottomland 15%, mesquite forest 25%, deciduous woodland 15%, ponds and tanks 5%).—Dec. 20; 6 a.m. to 9 p.m. Overcast to partly cloudy; temp. 51° to 53°; wind NNE, 17-9 m.p.h. Ten observers in 4 parties. Total party-hours, 34 (10 on foot, 24 by car); total party-miles, 263 (10 on foot, 253 by car). ► Pied-billed Grebe, 7; Great Blue Heron, 3; Gadwall, 68; Green-winged Teal, 23; Am. Widgeon, 42; Ring-necked Duck, 8; Lesser Scaup, 10; Turkey Vulture, 72; Black Vulture, 13; Red-tailed Hawk, 7; Marsh Hawk, 5; Sparrow Hawk, 47; Bobwhite, 16; Killdeer, 93; Common Snipe, 38; Spotted Sandpiper, 5; **Solitary Sandpiper, 3** (carefully identified); Least Sandpiper, 15; Ring-billed Gull, 17; Mourning Dove, 360; Inca Dove, 24; Roadrunner, 2; Screech Owl, 1; Great Horned Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 48; Red-shafted

Flicker, 9; flicker (sp.), 24; Red-bellied Woodpecker, 29; Golden-fronted Woodpecker, 1; Red-headed Woodpecker, 4; Yellow-bellied Sapsucker, 2; Downy Woodpecker, 6; Ladder-backed Woodpecker, 14; Eastern Phoebe, 3; Horned Lark, 756; Blue Jay, 34; Common Crow, 120; Carolina Chickadee, 23; Tufted Titmouse, 1; Black-crested Titmouse, 30; Brown Creeper, 12; House Wren, 3; Bewick's Wren, 17; Carolina Wren, 3; Cañon Wren, 1; Mockingbird, 89; Eastern Bluebird, 50; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 26; Water Pipit, 25; Loggerhead Shrike, 59; Starling, 1349; Orange-crowned Warbler, 3; Myrtle Warbler, 167; House Sparrow, 211; Western Meadowlark, 1; meadowlark (sp.), 477; Redwinged Blackbird, 2122; Boat-tailed Grackle, 4956; Brown-headed Cowbird, 959; Cardinal, 97; House Finch, 10; Am. Goldfinch, 50; Rufous-sided Towhee, 3; Savannah Sparrow, 9; Vesper Sparrow, 33; Lark Sparrow, 11; Slate-colored Junco, 92; Chipping Sparrow, 2; Field Sparrow, 16; Harris' Sparrow, 71; White-crowned Sparrow, 10; White-throated Sparrow, 44; Fox Sparrow, 2; Lincoln's Sparrow, 22; Song Sparrow, 7. **Total,** 75 species; about 12,996 individuals. (Seen in area count period, but not on count day: Red-shouldered Hawk, Burrowing Owl, Verdin, Curve-billed Thrasher, Black-throated Sparrow.)—Susie Coker, Mrs. J. Frank Dobie, Edgar B. Kincaid, Jr., Mary Ann McClendon, Frank Oatman, Jr., John Louis Rowlett, Rose Ann Rowlett, Robert K. Selander, Lucette Sharp, Fred S. Webster, Jr. (compiler) (Travis Audubon Society).

476. El Paso, Tex. (all points within a 15-mile diameter circle, centering on Scenic Drive on Mount Franklin; including Boy Scout Camp, Randel's Pool, Rio Grande levee and valley, McKelligon's Canyon, Ascarate, Memorial Park; thickets of mesquite, wild olive, cottonwood 10%, bosques and river levees 5%, farms 16%, dairy pens 4%, sand hills 25%, lake 8%, parks 8%, canyon 24%).—Dec. 23; 6 a.m. to 5 p.m. Clear to high cloudy; temp. 31° to 58°; wind NNW to S, 3-10 m.p.h.; water clear. Fifteen observers in 8 parties. Total party-hours, 52 (33 on foot, 19 by car); total party-miles, 230 (47 on foot, 183 by car). ► Pied-billed Grebe, 2; Great Blue Heron, 9; Mallard, 38; Gadwall, 61; Pintail, 6; Green-winged Teal, 36; Am. Widgeon, 136; Redhead, 2; Lesser Scaup, 14; Common Merganser, 10; Sharp-shinned Hawk, 2; Cooper's Hawk, 3; Red-tailed Hawk, 7; Marsh Hawk, 10; Sparrow Hawk, 29; Scaled Quail, 10; Gambel's Quail, 163; Common Gallinule, 1; Am. Coot, 54; Killdeer, 125; Common Snipe, 10; Least Sandpiper, 32; Western Sandpiper, 83; Mourning Dove, 172; Inca Dove, 1; Roadrunner, 2; Great Horned Owl, 1; Belted Kingfisher, 3; Yellow-shafted Flicker, 2; Red-shafted Flicker, 13; Yellow-bellied Sapsucker, 1; Ladder-backed Woodpecker, 2; Black Phoebe, 4; Say's Phoebe, 13; Scrub Jay, 2; Mountain Chickadee, 12; Verdin, 6; Pigmy Nuthatch, 15; Brown Creeper, 3; House Wren, 4; Bewick's Wren, 1; Cactus Wren, 8; Long-billed Marsh Wren, 4; Rock Wren, 21; Mockingbird, 4; Brown Thrasher, 1; Crissal Thrasher, 6; Robin, 2; Hermit Thrush, 2; Ruby-crowned Kinglet, 18; Water Pipit, 206; Cedar Waxwing, 8; Phainopepla, 2; Loggerhead Shrike, 31; Starling, 20; Orange-crowned Warbler, 3; Audubon's Warbler, 107; House Sparrow, 155; Western Meadowlark, 132; Yellow-headed Blackbird, 610; Redwinged Blackbird, 1291; Brewer's Blackbird, 410; Boat-tailed Grackle, 47; Brown-headed Cowbird, 6; Pyrrhuloxia, 3; House Finch, 218; Am. Goldfinch, 4; Lesser Goldfinch, 15; Green-tailed Towhee, 9; Rufous-sided Towhee, 24; Savannah Sparrow, 1; Baird's Sparrow, 52; Rufous-crowned Sparrow, 5; Black-throated Sparrow, 22; Sage Sparrow, 3; Oregon Junco, 59 (2 races); Gray-headed Junco, 16; Chipping Sparrow, 19; Brewer's Sparrow, 56; Black-chinned Sparrow, 1; White-crowned Sparrow, 308; White-throated Sparrow, 2; Lincoln's Sparrow, 5; Song Sparrow, 16. **Total,** 84 species (1 additional race); about 5032 individuals.—Mrs. J. Owen Allen, Roy Allen, Lu-Venia Arnold, Roy Fisk, Mr. and Mrs. D. T. Johnson, Mary Belle Keefer, Mrs. Lena McBee, Mrs. J. C. McClintock, Mrs. G. W. O'Neal, Alfred Smith, Jack Stewart, Lilla Thomas, Mrs. Rita Ward, W. W. Wimberly (El Paso Audubon Society).

477. Fort Worth, Tex. (all points within a 15-mile diameter circle, center at Federal Fish Station, including Lake Worth area, Rockwood, Trinity, and Forest Parks).—Dec. 27; 7:15 a.m. to 5:15 p.m. Clear; temp. 40° to 58°; wind S, 2-10 m.p.h. Twenty-three observers in 5 parties. Total party-hours, 38 (26 on foot, 12 by car); total party-miles, 90 (25 on foot, 65 by car). ► Pied-billed Grebe, 1; teal (sp.), 3; Am. Widgeon, 10; Ring-necked Duck, 10; Canvasback, 1; Lesser Scaup, 79; Bufflehead, 2; Turkey Vulture, 26; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 3 (Krider's 1); Red-shouldered Hawk, 2; Marsh Hawk, 2; Sparrow Hawk, 16; Bobwhite, 42; Sora, 1; Am. Coot, 18; Killdeer, 96; Common Snipe, 38; Least Sandpiper, 28; Herring Gull, 18; Ring-billed Gull, 17; Mourning Dove, 53; Roadrunner, 3; Barred Owl, 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 86; Red-bellied Woodpecker, 42; Yellow-bellied Sapsucker, 15; Hairy Woodpecker, 4; Downy Woodpecker, 16; Ladder-backed Woodpecker, 2; Eastern Phoebe, 1; Horned Lark, 3; Blue Jay, 48; Common Crow, 36; Carolina Chickadee, 65; Tufted Titmouse, 71; White-breasted Nuthatch, 1; Brown Creeper, 23; House Wren, 1; Bewick's Wren, 10; Carolina Wren, 21; Mockingbird, 71; Brown Thrasher, 14; Robin, 24; Hermit Thrush, 6; Eastern Bluebird, 14; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 14; Water Pipit, 2; Cedar Waxwing, 48; Loggerhead Shrike, 23; Starling, 1876; Orange-crowned Warbler, 1; Myrtle Warbler, 35; Yellowthroat, 1; House Sparrow, 472; Eastern Meadowlark, 188; Western Meadowlark, 1; Redwinged Blackbird, 1152; Rusty Blackbird, 67; Brewer's Blackbrid, 18; Common Grackle, 55; Brown-headed Cowbird, 94; Cardinal, 214; Purple Finch, 1; Am. Goldfinch, 243; Rufous-sided Towhee, 13; Slate-colored Junco, 330; Oregon Junco, 3; Field Sparrow, 59; Harris' Sparrow, 107; White-crowned Sparrow, 1; White-throated Sparrow, 96; Fox Sparrow, 2; Lincoln's Sparrow, 3; Swamp Sparrow, 1; Song Sparrow, 82. **Total,** 79 species (1 additional race); about

6257 individuals. (Seen in area count period, but not on count day: Lark Sparrow.)—Sister Mary Anne, Sister St. Andrew, Mrs. Walter Bauguess, Mr. and Mrs. J. E. Casstevens, Mr. and Mrs. Timothy Dunn, Mr. and Mrs. Gordon Fraser, Mr. and Mrs. Robert Hardwicke, Roy Holland, Mr. and Mrs. C. L. Morgan, Mrs. G. W. Parker, Jr., Mr. and Mrs. Stephen Passmore, Warren Pulich, Jr., Warren Pulich (compiler), Ruie Smith, Mrs. Wade Smith, Carol Wilson, Mrs. Davis Wilson (Fort Worth Audubon Society).

478. **Freeport, Tex.** (all points within a 15-mile diameter circle, center 4½ miles north of Freeport as last year; deciduous woods 20%, salt marsh and coastal prairie 30%, farmland and scrub 25%, urban 5%, open Gulf 5%, fresh water and marsh 15%).—Dec. 28; 7:10 a.m. to 5:30 p.m. Overcast, some clearing noon; temp. 42° to 58°; wind SE, 6 m.p.h. Fifteen observers in 4 parties. Total party-hours, 32 (5 on foot, 27 by car); total party-miles, 225 (7 on foot, 218 by car). ► Common Loon, 1; Pied-billed Grebe, 80; White Pelican, 115; Brown Pelican, 2; Double-crested Cormorant, 50; Anhinga, 21; Great Blue Heron, 50; **Green Heron, 1**; Little Blue Heron, 12; **Reddish Egret, 1** (J. W., T. F., D. D.); Common Egret, 165; Snowy Egret, 12; Louisiana Heron, 25; Black-crowned Night Heron, 245; Am. Bittern, 1; Canada Goose, 120; Snow Goose, 621; Blue Goose, 217; Gadwall, 13; Pintail, 128; Green-winged Teal, 100; Blue-winged Teal, 4; Am. Widgeon, 114; Shoveler, 100; Redhead, 1; Ring-necked Duck, 21; Canvasback, 1; Lesser Scaup, 657; Turkey Vulture, 26; Black Vulture, 9; Red-tailed Hawk, 11; Red-shouldered Hawk, 13; **Rough-legged Hawk, 1**; Bald Eagle, 1; Marsh Hawk, 12; Sparrow Hawk, 59; Bobwhite, 12; King Rail, 3; Clapper Rail, 2; **Sora, 2**; Common Gallinule, 5; Am. Coot, 5334; Semipalmated Plover, 10; Piping Plover, 2; Killdeer, 160; Black-bellied Plover, 13; Ruddy Turnstone, 3; Common Snipe, 2; Long-billed Curlew, 55; Spotted Sandpiper, 2; Willet, 61; Greater Yellowlegs, 6; Lesser Yellowlegs, 7; Least Sandpiper, 1; Dunlin, 14; Short-billed Dowitcher, 20; Long-billed Dowitcher, 33; Semipalmated Sandpiper, 9; Western Sandpiper, 2; Sanderling, 47; Am. Avocet, 8; Herring Gull, 52; Ring-billed Gull, 155; Laughing Gull, 91; **Franklin's Gull, 1** (L. S., C. S.); Gull-billed Tern, 2; Forster's Tern, 19; Royal Tern, 12; Caspian Tern, 5; Mourning Dove, 125; Barred Owl, 1; Belted Kingfisher, 22; Yellow-shafted Flicker, 44; Pileated Woodpecker, 16; Red-bellied Woodpecker, 8; Red-headed Woodpecker, 7; Yellow-bellied Sapsucker, 5; Downy Woodpecker, 5; Eastern Phoebe, 21; Vermilion Flycatcher, 4; Horned Lark, 9; Tree Swallow, 50; Blue Jay, 5; Common Crow, 50; Carolina Chickadee, 20; Tufted Titmouse, 21; House Wren, 7; Carolina Wren, 15; Long-billed Marsh Wren, 1; Short-billed Marsh Wren, 8; Mockingbird, 39; Brown Thrasher, 6; Robin, 88; Hermit Thrush, 4; Eastern Bluebird, 12; Blue-gray Gnatcatcher, 22; Ruby-crowned Kinglet, 9; Water Pipit, 117; Sprague's Pipit, 1; Loggerhead Shrike, 102; Starling, 1005; Orange-crowned Warbler, 3; Myrtle Warbler, 11; Pine Warbler, 4; Yellowthroat, 11; House Sparrow, 151; Eastern Meadowlark, 149; Redwinged Blackbird, 33; Rusty Blackbird, 1; Brewer's Blackbird, 32; Boat-tailed Grackle, 322; Common Grackle, 6; Brown-headed Cowbird, 1500; Cardinal, 60; **Indigo Bunting, 2** (seen well); **Dickcissel, 2** (carefully identified); Purple Finch, 1; Am. Goldfinch, 436; Savannah Sparrow, 41; Henslow's Sparrow, 1; Vesper Sparrow, 4; White-throated Sparrow, 54; Lincoln's Sparrow, 5; Swamp Sparrow, 14; Song Sparrow, 7. **Total,** 125 species; about 13,859 individuals.—Carl H. Aiken, Mrs. William Brooks, Dudley Deaver, Victor L. Emanuel (compiler), Trevor Ben Feltner, Ronald Fowler, Mr. and Mrs. C. B. Gilman, Robert Simpson, Clinton Snyder, Mrs. J. A. Snyder, Josiephine Wilkin, Dr. and Mrs. E. R. Wright, Steven G. Williams.

479. **Houston, Tex.** (all points within a 15-mile diameter circle, center ¾ mile west of town of Cedar Bayou on Bob Smith Rd., on north city limits of Baytown).—Dec. 21; 5:55 a.m. to 9:30 p.m.; temp. 45° to 60°; wind E, 5-15 m.p.h. Forty observers in 6 parties. Total party-hours, 74 (41 on foot, 28 by car, 5 by boat); total party-miles, 276 (31 on foot, 326 by car, 19 by boat). ► Common Loon, 2; Pied-billed Grebe, 149; White Pelican, 2263; Double-crested Cormorant, 33; Olivaceous Cormorant, 1; Great Blue Heron, 227; Little Blue Heron, 51; Common Egret, 504; Snowy Egret, 142; Louisiana Heron, 111; Black-crowned Night Heron, 237; Yellow-crowned Night Heron, 1; Am. Bittern, 1; White Ibis, 60; Roseate Spoonbill, 43; Canada Goose, 159; Snow Goose, 451; Blue Goose, 111; Mallard, 828; Black Duck, 4; Mottled Duck, 17; Gadwall, 2; Pintail, 394; Green-winged Teal, 5000; Am. Widgeon, 3; Shoveler, 5; Redhead, 3; Ring-necked Duck, 4; Canvasback, 636; Lesser Scaup, 6835; Common Goldeneye, 7; **Surf Scoter, 1** (all field marks); Ruddy Duck, 2; Turkey Vulture, 41; Black Vulture, 46; Sharp-shinned Hawk, 5; Cooper's Hawk, 171 [no details; highest count for continent last year only 12—Ed.]; Red-tailed Hawk, 35; Red-shouldered Hawk, 18; Rough-legged Hawk, 2; Marsh Hawk, 49; Caracara, 3; Prairie Falcon, 1; Peregrine Falcon, 1; Sparrow Hawk, 156; Bobwhite, 41; Sandhill Crane, 1; Clapper Rail, 4; Virginia Rail, 1; Sora, 9; **Black Rail, 1** (5 observers); Am. Coot, 100; Semipalmated Plover, 9; Killdeer, 509; Black-bellied Plover, 19; Common Snipe, 32; Long-billed Curlew, 9; Spotted Sandpiper, 7; Willet, 11; Greater Yellowlegs, 20; Lesser Yellowlegs, 12; Least Sandpiper, 33; Dunlin, 815; Long-billed Dowitcher, 120; Semipalmated Sandpiper, 2000; Western Sandpiper, 52; Am. Avocet, 32; Herring Gull, 46; Ring-billed Gull, 1362; Laughing Gull, 1942; Bonaparte's Gull, 2; Gull-billed Tern, 71; Forster's Tern, 132; Common Tern, 6; **Least Tern, 1** (carefully identified); Royal Tern, 49; Caspian Tern, 14; Black Skimmer, 20; Mourning Dove, 303; **Smooth-billed Ani, 1**; **Groove-billed Ani, 5** (all anis carefully identified); Barn Owl, 1; Screech Owl, 1; Great Horned Owl, 1; Barred Owl, 3; Belted Kingfisher, 17; Yellow-shafted Flicker, 148; Red-shafted Flicker, 1; Pileated Woodpecker, 12; Red-bellied Woodpecker, 22; Yellow-bellied Sapsucker, 29; Downy Woodpecker, 7; **Scissor-**

tailed Flycatcher, 1 (3 observers); Eastern Phoebe, 53; **Say's Phoebe, 1**; Vermilion Flycatcher, 1; Horned Lark, 2; Blue Jay, 68; Common Crow, 91; Carolina Chickadee, 106; Tufted Titmouse, 87; Red-breasted Nuthatch, 1; Brown Creeper, 1; House Wren, 28; Winter Wren, 4; Carolina Wren, 60; Long-billed Marsh Wren, 21; Short-billed Marsh Wren, 12; Mockingbird, 313; Catbird, 3; Brown Thrasher, 80; Robin, 459; Hermit Thrush, 11; Eastern Bluebird, 54; Blue-gray Gnatcatcher, 326; Ruby-crowned Kinglet, 175; Water Pipit, 163; Sprague's Pipit, 5; Cedar Waxwing, 30; Loggerhead Shrike, 275; Starling, 1240; White-eyed Vireo, 2; Solitary Vireo, 1; Orange-crowned Warbler, 55; **Parula Warbler, 1** (present count week); Myrtle Warbler, 304; Pine Warbler, 19; Palm Warbler, 1; Yellowthroat, 13; House Sparrow, 551; Eastern Meadowlark, 531; Redwinged Blackbird, 16,109; Brewer's Blackbird, 16,015; Boat-tailed Grackle, 412; Common Grackle, 12; Brown-headed Cowbird, 12,186; Cardinal, 336; Purple Finch, 12; Am. Goldfinch, 772; Rufous-sided Towhee, 10; Savannah Sparrow, 147; Henslow's Sparrow, 2; Sharp-tailed Sparrow, 2; Seaside Sparrow, 12; Vesper Sparrow, 30; Lark Sparrow, 1; Chipping Sparrow, 13; Field Sparrow, 62; Harris' Sparrow, 2; White-crowned Sparrow, 51; White-throated Sparrow, 812; Lincoln's Sparrow, 17; Swamp Sparrow, 24; Song Sparrow, 11. **Total,** 154 species; about 79,047 individuals. (Seen in area count period, but not on count day: Eared Grebe, Bald Eagle, Common Gallinule, White-tailed Hawk, Am. Woodcock, Ground Dove, **Chuck-will's-widow,** Red-headed Woodpecker, Golden-crowned Kinglet, Bullock's Oriole, Rusty Blackbird, Grasshopper Sparrow, Le Conte's Sparrow, Fox Sparrow.)—Carl H. Aiken, Jerry Baker, L. A. Barnette, Mrs. L. A. Barnette, Sid Barnette, Paul Corneil, Dudley Deaver, E. P. Edwards, Mabel Edwards, Victor Emanuel, Trevor B. Feltner, Ronald Fowler, C. B. Gilman (compiler), Eva Gilman, Sue Harris, Joe M. Heiser, Jr., Lamar Hilton, Ruth Hilton, Henry S. Hoffman, Louise Hoffman, Arlie K. McKay, Edna Miner, Ruth Moorman, James F. Murray, Norma Oates, John O'Neill, Ralph Peterson, Eugene A. Rowell, Thelma Smith, Clinton Snyder, Linda Snyder, Leota Stilwell, Douglas Stine, Jerry Strickling, Nancy Strickling, Lawrence Tabony, Katrina Thompson, Josiephine Wilkin, Steve Williams, Ella Wolfer.

480. Karnack, Tex. (all points within a 15-mile diameter circle, center about 1 mile northeast of East Entrance to Caddo Lake State Park, including all of Caddo Lake lying within Texas, Carter and Clinton Lakes, Beers Caddo Lake Airfield, Leigh, Karnack, Baldwin, Smithland, Gay Assembly; Longhorn Ordinance Works Property not included in count).—Dec. 28; 4:45 a.m. to 6 p.m. Cloudy to partly cloudy, heavy fog early morning; temp. 39° to 57°; wind SSW, 0-9 m.p.h. Fourteen observers in 5 parties. Total party-hours, 41 (11 on foot, 24 by car, 6 by boat); total party-miles, 250 (16 on foot, 226 by car, 8 by boat). ► Pied-billed Grebe, 9; Great Blue Heron, 9; Mallard, 8; Green-winged Teal, 1; Blue-winged Teal, 2; Wood Duck, 19; Greater Scaup, 2; Lesser Scaup, 28; Ruddy Duck, 4; Turkey Vulture, 38; Black Vulture, 5; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 4; Red-shouldered Hawk, 5; Marsh Hawk, 2; Sparrow Hawk, 4; Bobwhite, 11; Am. Coot, 491; Killdeer, 36; Common Snipe, 6; Ring-billed Gull, 1; Mourning Dove, 21; Great Horned Owl, 3; Barred Owl, 1; Belted Kingfisher, 6; Yellow-shafted Flicker, 61; Pileated Woodpecker, 16; Red-bellied Woodpecker, 31; Red-headed Woodpecker, 3; Yellow-bellied Sapsucker, 12; Hairy Woodpecker, 11; Downy Woodpecker, 8; Eastern Phoebe, 4; **Vermilion Flycatcher, 2** (males); Blue Jay, 185; Common Crow, 232; Carolina Chickadee, 85; Tufted Titmouse, 40; White-breasted Nuthatch, 15; Brown-headed Nuthatch, 1; Brown Creeper, 3; House Wren, 3; Winter Wren, 3; Bewick's Wren, 5; Carolina Wren, 40; Mockingbird, 43; Brown Thrasher, 18; Robin, 30; Hermit Thrush, 6; Eastern Bluebird, 56; Golden-crowned Kinglet, 12; Ruby-crowned Kinglet, 19; Water Pipit, 2; Cedar Waxwing, 26; Loggerhead Shrike, 43; Starling, 75; Orange-crowned Warbler, 2; Myrtle Warbler, 20; Pine Warbler, 7; House Sparrow, 120; Eastern Meadowlark, 115; Redwinged Blackbird, 1188+; Rusty Blackbird, 189; Brewer's Blackbird, 5; Common Grackle, 244; Brown-headed Cowbird, 68; Cardinal, 318; Am. Goldfinch, 175; Rufous-sided Towhee, 10; Savannah Sparrow, 2; Vesper Sparrow, 5; Slate-colored Junco, 888+; Chipping Sparrow, 20; Field Sparrow, 73; Harris' Sparrow, 12; White-crowned Sparrow, 5; White-throated Sparrow, 553+; Fox Sparrow, 10; Swamp Sparrow, 3; Song Sparrow, 12. **Total,** 81 species; more than 5852 individuals.—Mrs. Vera Allen, Mrs. Eunice Armstrong, John Arvin, J. P. Ferrill, A. L. Feser, Mrs. Estelle Feser, Bill Gelling, Mrs. Mary Gelling, E. W. Mahone, Jr., Mrs. Mildred Mahone, Morgan Muse, Charles Spangler, Mrs. Ethelda Spangler, Gaddis Taylor (compiler).

481. Laguna Atascosa National Wildlife Refuge, Tex. (all points within a 15-mile diameter circle, center on Needle Island in Laguna Atascosa).—Dec. 28; 6 a.m. to 6 p.m. Cloudy; temp. 51° to 68°; wind ESE, 5 m.p.h. Twenty observers in 9 parties. Total party-hours, 96 (51 on foot, 40 by car, 5 by boat); total party-miles, 304 (61 on foot, 223 by car, 20 by boat). ► Eared Grebe, 45; Least Grebe, 17; Pied-billed Grebe, 145; White Pelican, 610; Double-crested Cormorant, 14; Olivaceous Cormorant, 53; Great Blue Heron, 223; Green Heron, 4; Little Blue Heron, 9; Reddish Egret, 178; Common Egret, 1; Snowy Egret, 23; Louisiana Heron, 4; Am. Bittern, 4; White-faced Ibis, 25; Canada Goose, 1821; White-fronted Goose, 514; Snow Goose, 1374; Blue Goose, 269; **Ross' Goose, 1** (carefully identified—L. G., G. M.); Mallard, 31; Mottled Duck, 96; Gadwall, 946; Pintail, 271,605; Green-winged Teal, 131; Blue-winged Teal, 107; Cinnamon Teal, 10; Am. Widgeon, 3427; Shoveler, 865; Redhead, 9743; Ring-necked Duck, 6; Canvasback, 964; Lesser Scaup, 8232; Bufflehead, 234; Ruddy Duck, 2372; Turkey Vulture, 68; Black Vulture, 100; White-tailed Kite, 4; Sharp-shinned Hawk, 3; Cooper's Hawk, 3; Red-tailed Hawk, 1; White-tailed Hawk, 7; Rough-legged Hawk, 1; Harris' Hawk, 75; **Bald Eagle, 1**; Marsh Hawk, 69; Car-

acara, 16; Peregrine Falcon, 4; Sparrow Hawk, 113; Bobwhite, 655; Turkey, 1; Sandhill Crane, 1761; Virginia Rail, 1; Sora, 30; Am. Coot, 50,459; Semipalmated Plover, 44; Killdeer, 179; Black-bellied Plover, 63; Ruddy Turnstone, 17; Common Snipe, 29; Long-billed Curlew, 619; **Whimbrel, 4**; Spotted Sandpiper, 7; Willet, 131; Greater Yellowlegs, 264; Lesser Yellowlegs, 286; **Pectoral Sandpiper, 1** (C. T. G.); Least Sandpiper, 54; Dunlin, 12; Long-billed Dowitcher, 413; **Stilt Sandpiper, 9** (35 week before); Semipalmated Sandpiper, 30; Marbled Godwit, 24; Am. Avocet, 15; Herring Gull, 53; Ring-billed Gull, 97; Laughing Gull, 2; Gull-billed Tern, 10; Forster's Tern, 7; Common Tern, 2; Royal Tern, 102; Caspian Tern, 37; Black Skimmer, 40; Mourning Dove, 2106; Ground Dove, 240; Inca Dove, 107; White-fronted Dove, 2; Roadrunner, 13; **Groove-billed Ani, 72** (record number); Barn Owl, 7; Screech Owl, 3; Great Horned Owl, 6; Pauraque, 16; Belted Kingfisher, 2; Yellow-shafted Flicker, 1; Golden-fronted Woodpecker, 66; Yellow-bellied Sapsucker, 2; Ladder-backed Woodpecker, 41; Tropical Kingbird, 77; Kiskadee Flycatcher, 42; Eastern Phoebe, 26; Say's Phoebe, 12; Vermilion Flycatcher, 28; Horned Lark, 39; Green Jay, 19; White-necked Raven, 1; Black-crested Titmouse, 11; Verdin, 55; House Wren, 72; Bewick's Wren, 73; Carolina Wren, 4; Cactus Wren, 72; Long-billed Marsh Wren, 18; Short-billed Marsh Wren, 13; Mockingbird, 1742; Catbird, 2; Long-billed Thrasher, 57; Curve-billed Thrasher, 191; Sage Thrasher, 1; Robin, 39; Blue-gray Gnatcatcher, 50; Ruby-crowned Kinglet, 26; Water Pipit, 156; Sprague's Pipit, 13; Loggerhead Shrike, 127; White-eyed Vireo, 24; Solitary Vireo, 3; Black-and-white Warbler, 1; Orange-crowned Warbler, 56; Nashville Warbler, 2; Myrtle Warbler, 46; Black-throated Gray Warbler, 1; Black-throated Green Warbler, 1; Yellow-throated Warbler, 4; Yellowthroat, 139; Wilson's Warbler, 1; House Sparrow, 335; Eastern Meadowlark, 808; Redwinged Blackbird, 9808; Hooded Oriole, 2; Brewer's Blackbird, 1086; Boat-tailed Grackle, 8877; Brown-headed Cowbird, 2462; Bronzed Cowbird, 10; Cardinal, 49; Pyrrhuloxia, 6; Indigo Bunting, 2; **Dickcissel, 4**; White-collared Seedeater, 3; Am. Goldfinch, 3; Olive Sparrow, 45; **Rufous-sided Towhee, 2**; Savannah Sparrow, 425; Grasshopper Sparrow, 2; Baird's Sparrow, 3; Le Conte's Sparrow, 3; Vesper Sparrow, 15; Lark Sparrow, 183; Botteri's Sparrow, 1; Cassin's Sparrow, 1; Black-throated Sparrow, 13; Chipping Sparrow, 1; Clay-colored Sparrow, 3; White-crowned Sparrow, 3; Lincoln's Sparrow, 70; Swamp Sparrow, 19; Song Sparrow, 1. **Total,** 167 species; about 390,199 individuals. (Seen in area count period, but not on count day: Hooded Merganser, Red-breasted Merganser, White-winged Dove.)—Richard O. Albert, Ted Austin, Winifred Bradway, Milton C. Chandler, Raymond J. Fleetwood, Gonzalo G. Garza, C. Terry Gill, Luther C. Goldman (compiler), C. E. Hudson, Jr., Pauline James, Marshall Johnston, E. B. Kincaid, Mrs. A. P. Longland, Guy McCaskie, Luhe McConnell, E. A. Rowell, P. W. Smith, Jr., Mr. and Mrs. E. D. Swedenborg, George A. Unland.

482. Midland, Tex. (all points within a 15-mile diameter circle, center at rodeo grounds on east edge of town; short grass plains with mesquite thickets 45%, parks and gardens 35%, draw with hackberry, soapberry and mesquite 8%, water 7%, cultivated fields 5%).—Dec. 21; 7:10 a.m. to 5:10 p.m. Clear; temp. 27° to 60°; wind N, 3-10 m.p.h.; skim of ice on shallow water. Eleven observers in 4 parties. Total party-hours, 27 (8 on foot, 19 by car); total party-miles, 120 (6 on foot, 114 by car). ► Eared Grebe, 1; Pintail, 1; Green-winged Teal, 12; Shoveler, 70; Canvasback, 6; Lesser Scaup, 30; Ruddy Duck, 3; Sharp-shinned Hawk, 1; Red-tailed Hawk, 7; Ferruginous Hawk, 2; Harris' Hawk, 5; Marsh Hawk, **42**; Sparrow Hawk, 13; Scaled Quail, **153**; Sandhill Crane, 106; Am. Coot, 1; Killdeer, 33; Common Snipe, 6; Long-billed Curlew, 141; Least Sandpiper, 3; Western Sandpiper, 1; Mourning Dove, 267; Roadrunner, 3; Great Horned Owl, 3; Belted Kingfisher, 2; Yellow-shafted Flicker, 4; Red-shafted Flicker, 12; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 2; Ladder-backed Woodpecker, 7; Horned Lark, 23; **Blue Jay, 2** (1 present since Nov.); White-necked Raven, 36; House Wren, 1; Cactus Wren, 10; Long-billed Marsh Wren, 4; Rock Wren, 1; Mockingbird, 30; Brown Thrasher, 1; Curve-billed Thrasher, 15; Sage Thrasher, 2; Robin, 104; Townsend's Solitaire, 2; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 4; Water Pipit, 15; Cedar Waxwing, 15; **Bohemian Waxwing, 2** (present since Nov. 30, many observers); Loggerhead Shrike, 69; Starling, 44; Orange-crowned Warbler, 4; Myrtle Warbler, 15; Audubon's Warbler, 45; House Sparrow, 1549; Western Meadowlark, 764; Redwinged Blackbird, 3; **Bullock's Oriole, 1** (daily at feeder); Brewer's Blackbird, 595; Brown-headed Cowbird, 1532; Cardinal, 1; Pyrrhuloxia, 76; House Finch, 4; Am. Goldfinch, 2; Lesser Goldfinch, 1; Rufous-sided Towhee, 3; Lark Bunting, 826; Savannah Sparrow, **136**; Baird's Sparrow, 5; Vesper Sparrow, 73; Lark Sparrow, 2; Slate-colored Junco, 3; Oregon Junco, 40; **Tree Sparrow, 2** (carefully identified); Field Sparrow, 7; White-crowned Sparrow, 444; White-throated Sparrow, 3; Lincoln's Sparrow, 1; Song Sparrow, 5. **Total,** 78 species; about 7461 individuals. (Seen in area count period, but not on count day: Pigeon Hawk, **Harris' Sparrow**.)—Walter Ammon, Estelle Atwill, Duncan Cooper, Charles Gaines, John Galley, Ola Dublin Haynes, Mabel Hurley, Anne LeSassier, Ellen Sledge, Frances Williams (compiler), Harold Williams.

483. Muleshoe National Wildlife Refuge, Tex. (all points within 5809 acres of refuge).—Dec. 20; 8 a.m. to 6:15 p.m. Clear; temp. 30° to 64°; wind S, 0-15 m.p.h. One observer. Total hours, 9½ (1½ on foot, 8 by car); total miles, 38 (2 on foot, 36 by car). ► Canada Goose, 630; Snow Goose, 4; Mallard, 54,000; Pintail, 67,000; Green-winged Teal, 8000; Am. Widgeon, 26,000; Canvasback, 4; Lesser Scaup, 8; Bufflehead, 14; Common Merganser, 4; Red-tailed Hawk, 3; Rough-legged Hawk, 4; Golden Eagle, 12; Marsh Hawk, 12; Sparrow Hawk, 1; Scaled Quail, 286; Sandhill Crane, **36,000**; Great Horned Owl, 2; Yellow-shafted Flicker, 1; Red-

shafted Flicker, 6; Downy Woodpecker, 1; Ladder-backed Woodpecker, 4; Horned Lark, 175; Cactus Wren, 1; Brown Thrasher, 1; Robin, 4; Townsend's Solitaire, 1; Loggerhead Shrike, 8; Starling, 8; House Sparrow, 65; Western Meadowlark, 482; Brewer's Blackbird, 2; Lark Bunting, 11; Vesper Sparrow, 10; Oregon Junco, 42; White-crowned Sparrow, 10. **Total,** 36 species; about 192,816 individuals. (Seen in area count period, but not on count day: White-necked Raven, Ring-billed Gull, Mourning Dove, Burrowing Owl, Brown-headed Cowbird.)—Robert L. Darnell.

484. Nacogdoches, Tex. (all points within a 15-mile diameter circle, center midway between junction of U. S. 59–State Rte. 7 and Stephen F. Austin Experimental Forest southwest of Nacogdoches; upland forest 40%, riverbottom forest 15%, fields and pastures 35%, misc. 10%).—Dec. 28; 7 a.m. to 5 p.m. Heavy mist a.m., clearing p.m.; temp. 37° to 59°; no wind. Four observers in 2 parties. Total party-hours, 14 (9 on foot, 5 by car); total party-miles, 54 (8 on foot, 46 by car). ► Pied-billed Grebe, 4; Great Blue Heron, 1; Turkey Vulture, 4; Black Vulture, 36; Sharp-shinned Hawk, 1; Red-tailed Hawk, 2; Sparrow Hawk, 1; Bobwhite, 8; Killdeer, 2; Mourning Dove, 39; Roadrunner, 1; Barred Owl, 2; Yellow-shafted Flicker, 34; Pileated Woodpecker, 1; Red-bellied Woodpecker, 23; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 2; Downy Woodpecker, 8; Eastern Phoebe, 2; Blue Jay, 63; Common Crow, 25; Carolina Chickadee, 22; Tufted Titmouse, 15; Brown Creeper, 3; House Wren, 1; Carolina Wren, 21; Short-billed Marsh Wren, 1; Mockingbird, 10; Brown Thrasher, 8; Robin, 158; Hermit Thrush, 2; Eastern Bluebird, 22; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 12; Cedar Waxwing, 81; Loggerhead Shrike, 10; Starling, 630; Orange-crowned Warbler, 2; Myrtle Warbler, 21; Pine Warbler, 7; House Sparrow, 13; Eastern Meadowlark, 67; Redwinged Blackbird, 850; Rusty Blackbird, 96; Brewer's Blackbird, 52; Common Grackle, 270; Brown-headed Cowbird, 65; Cardinal, 85; Am. Goldfinch, 9; Rufous-sided Towhee, 8; Savannah Sparrow, 1; Vesper Sparrow, 3; Slate-colored Junco, 350; Chipping Sparrow, 3; Field Sparrow, 20; White-throated Sparrow, 230; Fox Sparrow, 9; Lincoln's Sparrow, 3; Song Sparrow, 17. **Total,** 59 species; about 3442 individuals. (Seen in area count period, but not on count day: Red-shouldered Hawk, Purple Finch.)—Charles Deaton, Phil Goodrum, Carrie Holcombe, W. C. Royall, Jr. (compiler).

485. Odessa, Tex. (all points within a 15-mile diameter circle, center where Farm Road 1788 crosses Monahans Draw 5 miles south of U. S. 80; draw with running water, hackberry trees, dense thorny chaparral, Bermuda grass 40%, short grass plains with scattered mesquite, yucca, condalia 35%, dry draw with hackberry, soapberry and dense thorny chaparral 25%).—Jan. 1; 8:20 a.m. to 4:20 p.m. Clear; temp. 23° to 55°; wind W, 20-32 m.p.h.; sand blowing, water frozen except where flowing swiftly. Four observers in 1 party. Total party-hours, 8 (4 on foot, 4 by car); total party-miles, 58 (3 on foot, 55 by car). ► Pintail, 20; Shoveler, 48; Harris' Hawk, 1; Marsh Hawk, 4; Sparrow Hawk, 3; Scaled Quail, 58; Killdeer, 13; Common Snipe, 11; Least Sandpiper, 6; Mourning Dove, 83; Great Horned Owl, 2; Yellow-shafted Flicker, 2; Red-shafted Flicker, 3; Ladder-backed Woodpecker, 5; Horned Lark, 11; Verdin, 6; Cactus Wren, 2; Long-billed Marsh Wren, 1; Mockingbird, 6; Curve-billed Thrasher, 12; Sage Thrasher, 1; Robin, 2; Loggerhead Shrike, 11; Starling, 20; House Sparrow, 431; Western Meadowlark, 43; Redwinged Blackbird, 496; Brewer's Blackbird, 982; Pyrrhuloxia, 15; Green-tailed Towhee, 3; Rufous-sided Towhee, 3; Brown Towhee, 1; Lark Bunting, 1083; Savannah Sparrow, 1; Vesper Sparrow, 8; Oregon Junco, 1; Field Sparrow, 2; White-crowned Sparrow, 231; Lincoln's Sparrow, 4; Song Sparrow, 12. **Total,** 40 species; about 3647 individuals.—Walter Ammon, John Galley, Anne LeSassier, Frances Williams (compiler).

486. Palmetto State Park, Tex. (all points within a 5-mile diameter circle, center on concessions building in park).—Jan. 1; 8 a.m. to 5:30 p.m. Clear; temp. 25° to 53°; wind SSE, 6-8 m.p.h.; heavy frost. Two observers in 1 party. Total party-hours, 9½ (6 on foot, 3½ by car); total party-miles, 20 (4 on foot, 16 by car). ► Pied-billed Grebe, 2; Turkey Vulture, 12; Red-shouldered Hawk, 6; Sparrow Hawk, 1; Bobwhite, 27; Am. Coot, 5; Killdeer, 34; Common Snipe, 2; Mourning Dove, 126; Barred Owl, 3; Yellow-shafted Flicker, 13; Red-shafted Flicker, 2; Red-bellied Woodpecker, 17; Golden-fronted Woodpecker, 4; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 5; Downy Woodpecker, 1; Ladder-backed Woodpecker, 4; Eastern Phoebe, 6; Blue Jay, 14; Common Crow, 100; Carolina Chickadee, 22; Tufted Titmouse, 14; **Black-crested Titmouse, 1** (seen well); Red-breasted Nuthatch, 1; House Wren, 12; Bewick's Wren, 15; Carolina Wren, 18; Mockingbird, 55; Brown Thrasher, 25; Robin, 12; Hermit Thrush, 32; Eastern Bluebird, 32; Blue-gray Gnatcatcher, 1; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 31; Cedar Waxwing, 30; Loggerhead Shrike, 7; Starling, 287; Orange-crowned Warbler, 5; Myrtle Warbler, 30; **Audubon's Warbler, 1** (all field marks); Pine Warbler, 6; Yellow-throat, 3; House Sparrow, 10; Western Meadowlark, 65; Redwinged Blackbird, 1718; Brown-headed Cowbird, 262; Cardinal, 319; Am. Goldfinch, 202; Rufous-sided Towhee, 39; Savannah Sparrow, 18; Vesper Sparrow, 19; Lark Sparrow, 9; Slate-colored Junco, 1; Field Sparrow, 71; Harris' Sparrow, 52; White-crowned Sparrow, 1; White-throated Sparrow, 297; Fox Sparrow, 14; Lincoln's Sparrow, 56; Song Sparrow, 20. **Total,** 62 species; about 4200 individuals.—Ada Marie Webster, Fred S. Webster, Jr. (compiler).

487. San Antonio, Tex. (all points within a 15-mile diameter circle, center at Woodlawn Lake as in previous years).—Dec. 28; 6:20 a.m. to 6:30 p.m. Partly cloudy; temp. 36° to 64°; wind NE to SE, 7-10 m.p.h. Twenty-two observers in 7 parties. Total

party-hours, 51 (27 on foot, 24 by car); total party-miles, 208 (28 on foot, 180 by car). ► Least Grebe, 3; Pied-billed Grebe, 23; Great Blue Heron, 7; Black-crowned Night Heron, 4; Gadwall, 16; Blue-winged Teal, 4; Am. Widgeon, 12; Shoveler, 1; Ring-necked Duck, 22; Canvasback, 10; Lesser Scaup, 22; Ruddy Duck, 18; Turkey Vulture, 9; Black Vulture, 12; Sharp-shinned Hawk, 1; Red-tailed Hawk, 14; Marsh Hawk, 3; Sparrow Hawk, 36; Sora, 1; Am. Coot, 360; Killdeer, 94; Common Snipe, 22; Spotted Sandpiper, 1; Solitary Sandpiper, 1; Least Sandpiper, 65; White-winged Dove, 3; Mourning Dove, 102; Ground Dove, 8; Inca Dove, 117; Roadrunner, 7; Screech Owl, 2; Great Horned Owl, 1; Barred Owl, 1; Belted Kingfisher, 5; Yellow-shafted Flicker, 23; Red-shafted Flicker, 9; Golden-fronted Woodpecker, 64; Yellow-bellied Sapsucker, 2; Downy Woodpecker, 1; Ladder-backed Woodpecker, 31; Eastern Phoebe, 11; Say's Phoebe, 3; Vermilion Flycatcher, 14; Scrub Jay, 10; Carolina Chickadee, 18; Black-crested Titmouse, 131; Verdin, 45; Brown Creeper, 3; House Wren, 9; Winter Wren, 1; Bewick's Wren, 53; Carolina Wren, 22; Cactus Wren, 16; Cañon Wren, 8; Mockingbird, 228; Brown Thrasher, 2; Long-billed Thrasher, 3; Curve-billed Thrasher, 5; Robin, 27; Hermit Thrush, 5; **Swainson's Thrush, 2** (carefully identified); Eastern Bluebird, 69; Blue-gray Gnatcatcher, 1; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 39; Water Pipit, 63; Sprague's Pipit, 15; Cedar Waxwing, 20; Loggerhead Shrike, 107; Starling, **15,290**; Solitary Vireo, 1; Black-and-white Warbler, 1; Orange-crowned Warbler, 8; Myrtle Warbler, 64; Audubon's Warbler, 9; **Pine Warbler, 1** (all field marks); Yellowthroat, 7; House Sparrow, 1282; Eastern Meadowlark, 668; Western Meadowlark, 211; Redwinged Blackbird, 3676; Boat-tailed Grackle, 5135; **Common Grackle, 75** (carefully identified); Brown-headed Cowbird, 2511; Cardinal, 257; Pyrrhuloxia, 38; Purple Finch, 4; House Finch, 87; Pine Siskin, 3; Am. Goldfinch, 332; Lesser Goldfinch, 67; Green-tailed Towhee, 1; Rufous-sided Towhee, 39; Savannah Sparrow, 62; Vesper Sparrow, 63; Lark Sparrow, 39; Rufous-crowned Sparrow, 1; Black-throated Sparrow, 38; Slate-colored Junco, 148; Oregon Junco, 2; Chipping Sparrow, 10; Clay-colored Sparrow, 3; Field Sparrow, 53; Harris' Sparrow, 39; White-crowned Sparrow, 62; White-throated Sparrow, 171; Fox Sparrow, 2; Lincoln's Sparrow, 61; Song Sparrow, 4. **Total,** 109 species; about 32,595 individuals. (Seen in area count period, but not on count day: Green-winged Teal, Green Jay, Common Crow, Wilson's Warbler.)—Charles Bender, Elizabeth Blount, Robert Duncan, Bob Hill, Henry H. Karl, Jeanne Karl, Hazel Kush (compiler), Grady Loftin, Margaret Loftin, Maurine McFarland, Alfred Thomas, Eleanor Thomas, Edith Wilson, Mrs. Liston Zander (San Antonio Audubon Society).

488. Santa Ana National Wildlife Refuge, Tex. (all points within a 15-mile diameter circle, center 3 miles south on Alamo Road as in previous years). —Dec. 21; 6:30 a.m. to 6 p.m. Cloudy; temp. 55° to 69°; wind N, 8 m.p.h. Twelve observers in 6 parties. Total party-hours, 50 (42 on foot, 8 by car); total party-miles, 101 (32 on foot, 69 by car). ► Least Grebe, 5; Pied-billed Grebe, 31; Olivaceous Cormorant, 1; Anhinga, 4; Great Blue Heron, 43; Green Heron, 1; Pintail, 223; Green-winged Teal, 11; Blue-winged Teal, 12; Lesser Scaup, 35; Ruddy Duck, 15; Turkey Vulture, 188; Black Vulture, 42; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 1; Red-shouldered Hawk, 19; Broad-winged Hawk, 1; **Gray Hawk, 1** (carefully identified); Harris' Hawk, 19; Marsh Hawk, 3; Sparrow Hawk, 43; Chachalaca, 54; Bobwhite, 5; Sora, 12; Am. Coot, 134; Killdeer, 39; Long-billed Curlew, 1; Spotted Sandpiper, 2; Lesser Yellowlegs, 3; Ring-billed Gull, 1; Red-billed Pigeon, 2; Mourning Dove, 249; Ground Dove, 16; Inca Dove, 87; White-fronted Dove, 39; Roadrunner, 4; Screech Owl, 6; Great Horned Owl, 10; Pauraque, 1; Ruby-throated Hummingbird, 4; Yellow-shafted Flicker, 1; Golden-fronted Woodpecker, 90; Yellow-bellied Sapsucker, 4; Ladder-backed Woodpecker, 103; Tropical Kingbird, 36; Scissor-tailed Flycatcher, 3; Kiskadee Flycatcher, 32; Eastern Phoebe, 25; empidonax flycatcher (sp.), 1; Vermilion Flycatcher, 13; Beardless Flycatcher, 2; Horned Lark, 5; Green Jay, 157; Black-crested Titmouse, 39; Verdin, 17; **Red-breasted Nuthatch, 1**; House Wren, 42; Bewick's Wren, 5; Carolina Wren, 1; Cactus Wren, 29; Mockingbird, 74; Long-billed Thrasher, 52; Curve-billed Thrasher, 19; Blue-gray Gnatcatcher, 199; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 38; Water Pipit, 29; Cedar Waxwing, 10; Loggerhead Shrike, 15; Starling, 25; White-eyed Vireo, 12; Solitary Vireo, 2; Black-and-white Warbler, 3; Orange-crowned Warbler, 8; Nashville Warbler, 11; Myrtle Warbler, 64; Audubon's Warbler, 1; Black-throated Green Warbler, 3; Blackburnian Warbler, 1; Yellowthroat, 10; Wilson's Warbler, 2; House Sparrow, 267; Eastern Meadowlark, 18; Redwinged Blackbird, 367; Orchard Oriole, 1; Black-headed Oriole, 4; Hooded Oriole, 5; Lichtenstein's Oriole, 6; Brewer's Blackbird, 502; Boat-tailed Grackle, 680; Brown-headed Cowbird, 1500+; Bronzed Cowbird, 3; Cardinal, 77; Am. Goldfinch, 19; Olive Sparrow, 27; Lark Sparrow, 16; Chipping Sparrow, 1; Field Sparrow, 3; Lincoln's Sparrow, 10. **Total,** 100 species; about 6061 individuals.—Lola Barnhart, Raymond J. Fleetwood, Luther C. Goldman (compiler), C. E. Hudson, Jr., Pauline James, Ruby G. McCarthy, Verona M. McConnell, Mary Ryan, Mr. and Mrs. E. D. Swedenborg, Katherine Young, Mary Young.

489. Sherman, Tex. (all points within a 15-mile diameter circle, center about 2.6 miles west of Perrin Air Force Base as last year, extending from Sherman westward to Sadler, from Southmayd northward to Lake Texoma, including Hagerman Wildlife Refuge on Big Mineral Arm of Lake Texoma).—Dec. 20; 7 a.m. to 6 p.m. Clear; temp. 37° to 55°; wind NNE, 0-16 m.p.h. Five observers in 2 parties. Total party-hours, 22 (8 on foot, 14 by car); total party-miles, 143 (8 on foot, 135 by car). ► Double-crested Cormorant, 2; Great Blue Heron, 20; Canada Goose, 15,000+; Snow Goose, 5; Blue Goose, 4; Mallard, 3500; Green-winged Teal, 3; Blue-winged Teal, 2;

Am. Widgeon, 29; Shoveler, 59; Wood Duck, 2; Hooded Merganser, 5; Common Merganser, 11; Turkey Vulture, 14; Black Vulture, 7; Sharp-shinned Hawk, 1; Red-tailed Hawk, 10; Red-shouldered Hawk, 2; Rough-legged Hawk, 1; Bald Eagle, 1; Marsh Hawk, 10; Sparrow Hawk, 18; Bobwhite, 1; Killdeer, 13; Common Snipe, 6; Semipalmated Sandpiper, 18; Herring Gull, 38; Ring-billed Gull, 23; Mourning Dove, 126; Roadrunner, 4; Great Horned Owl, 1; Barred Owl, 2; Belted Kingfisher, 1; Yellow-shafted Flicker, 55; Red-bellied Woodpecker, 21; Yellow-bellied Sapsucker, 6; Hairy Woodpecker, 5; Downy Woodpecker, 30; Ladder-backed Woodpecker, 3; Horned Lark, 14; Blue Jay, 37; Common Crow, 457; Carolina Chickadee, 35; Tufted Titmouse, 31; White-breasted Nuthatch, 1; Brown Creeper, 3; Winter Wren, 1; Bewick's Wren, 6; Carolina Wren, 12; Mockingbird, 17; Brown Thrasher, 3; Robin, 513; Eastern Bluebird, 20; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 4; Cedar Waxwing, 2; Loggerhead Shrike, 50; Starling, 341; Myrtle Warbler, 4; House Sparrow, 182; Eastern Meadowlark, 256; Redwinged Blackbird, 8; Common Grackle, 2; Brown-headed Cowbird, 211; Cardinal, 111; Am. Goldfinch, 22; Rufous-sided Towhee, 7; Savannah Sparrow, 3; Vesper Sparrow, 2; Lark Sparrow, 1; Slate-colored Junco, 171; **Tree Sparrow, 1** (all field marks—R. L.); Field Sparrow, 58; Harris' Sparrow, 246; White-throated Sparrow, 122; Fox Sparrow, 2; Lincoln's Sparrow, 2; Song Sparrow, 13. **Total,** 78 species; about 22,033 individuals.—Robert C. Brown, J. P. Ferrill (compiler), R. T. Lynn, Mrs. Elizabeth Minter, Gaddis Taylor.

490. Tyler, Tex. (all points within a 15-mile diameter circle, center 4 miles south of center of Tyler as in previous years; lakes and marshes 5%, brushy fields and edges 25%, deciduous woods 30%, pine woods 5%, open fields and pastures 35%).—Dec. 27; 6 a.m. to 6 p.m. Clear to partly cloudy; temp. 40° to 60°; wind NW, 0-15 m.p.h. Fifteen observers in 7 parties. Total party-hours, 70 (35 on foot, 34 by car, 1 in boat); total party-miles, 394 (42 on foot, 348 by car, 4 by boat). ► Common Loon, 5; **Horned Grebe, 3** (2 parties); Pied-billed Grebe, 31; Great Blue Heron, 12; Mallard, 7; Pintail, 3; Redhead, 1; Canvasback, 2; Lesser Scaup, 117; Ruddy Duck, 7; **Hooded Merganser, 1**; Turkey Vulture, 122; Black Vulture, 8; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 22; Red-shouldered Hawk, 16; Rough-legged Hawk, 1; Marsh Hawk, 4; Sparrow Hawk, 31; Bobwhite, 77; Am. Coot, 901; Killdeer, 118; Common Snipe, 9; Herring Gull, 1; Mourning Dove, 132; Roadrunner, 2; Screech Owl, 1; Great Horned Owl, 2; Barred Owl, 2; Belted Kingfisher, 21; Yellow-shafted Flicker, 173; **Red-shafted Flicker, 1** (H. J.); Pileated Woodpecker, 4; Red-bellied Woodpecker, 95; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 34; Hairy Woodpecker, 12; Downy Woodpecker, 30; Eastern Phoebe, 9; Horned Lark, 2; Blue Jay, 372; Common Crow, 146; Carolina Chickadee, 115; Tufted Titmouse, 133; White-breasted Nuthatch, 22; Red-breasted Nuthatch, 2; Brown-headed Nuthatch, 3; Brown Creeper, 14; House Wren, 8; Winter Wren, 6; Bewick's Wren, 14; Carolina Wren, 113; Short-billed Marsh Wren, 1; Mockingbird, 141; Brown Thrasher, 116; Robin, 116; Hermit Thrush, 47; Eastern Bluebird, 181; Golden-crowned Kinglet, 64; Ruby-crowned Kinglet, 125; Water Pipit, 15; Cedar Waxwing, 133; Loggerhead Shrike, 84; Starling, 364; Orange-crowned Warbler, 6; Myrtle Warbler, 776; Pine Warbler, 38; House Sparrow, 624; Eastern Meadowlark, 364; Western Meadowlark, 3; Redwinged Blackbird, 3740; Rusty Blackbird, 533; Brewer's Blackbird, 2710; Common Grackle, 2541; Brown-headed Cowbird, 1589; Cardinal, 518; Purple Finch, 3; Pine Siskin, 11; Am. Goldfinch, 225; Rufous-sided Towhee, 139 (11 Spotted); Savannah Sparrow, 32; **Grasshopper Sparrow, 1**; Le Conte's Sparrow, 6; Vesper Sparrow, 39; Slate-colored Junco, 1130; Oregon Junco, 4; Chipping Sparrow, 128; Field Sparrow, 619; Harris' Sparrow, 47; White-crowned Sparrow, 35; White-throated Sparrow, 1426; Fox Sparrow, 71; Lincoln's Sparrow, 40; Swamp Sparrow, 79; Song Sparrow, 171; **Lapland Longspur, 9**; **Smith's Longspur, 70**; Chestnut-collared Longspur, 7. **Total,** 99 species (1 additional race); about 22,093 individuals.—John Arvin, Mr. and Mrs. F. L. Carmichael, Michael Carmichael, J. P. Ferrill, L. G. Huey, Horace H. Jeter, Mr. and Mrs. George F. Krueger, Eldon W. Lyle, O. C. Sheffield, Gerald Smith, James R. Stewart, Jr., Mrs. Maie C. Taylor, B. B. Watson (Tyler Audubon Society).

491. Waco, Tex. (all points within a 15-mile diameter circle, center at entrance to Cameron Park, including Lake Waco; deciduous woods 50%, open fields 30%, lake 10%, gravel pits 10%).—Dec. 20; 8 a.m. to 4:30 p.m. Clear; temp. 45° to 60°; wind N, 5-10 m.p.h. Seven observers in 2 parties. Total party-hours, 10 (4 on foot, 6 by car); total party-miles, 51 (5 on foot, 46 by car). ► Pied-billed Grebe, 1; Turkey Vulture, 9; Cooper's Hawk, 1; Sparrow Hawk, 6; Am. Coot, 8; Killdeer, 21; Common Snipe, 1; Ring-billed Gull, 1; Franklin's Gull, 2; Mourning Dove, 8; Inca Dove, 1; Belted Kingfisher, 1; Yellow-shafted Flicker, 14; Red-shafted Flicker, 1; Red-bellied Woodpecker, 17; Yellow-bellied Sapsucker, 3 (**1 Red-naped**); Hairy Woodpecker, 2; Downy Woodpecker, 9; Blue Jay, 16; Common Crow, 10; Carolina Chickadee, 7; Tufted Titmouse, 6; Brown Creeper, 4; House Wren, 1; Bewick's Wren, 1; Carolina Wren, 4; Mockingbird, 36; Catbird, 1; Brown Thrasher, 1; Robin, 75; Hermit Thrush, 1; **Swainson's Thrush, 1** (seen well—D. J.); Eastern Bluebird, 3; Ruby-crowned Kinglet, 11; Cedar Waxwing, 2; Loggerhead Shrike, 25; Starling, **2000**; Orange-crowned Warbler, 1; Myrtle Warbler, 68; House Sparrow, 100 (1 Albino); Eastern Meadowlark, 200; Western Meadowlark, 6; Redwinged Blackbird, 200; Brewer's Blackbird, 3; Common Grackle, 10; Brown-headed Cowbird, 600; Cardinal, 30; Am. Goldfinch, 100; Slate-colored Junco, 110; Field Sparrow, 1; Harris' Sparrow, 4; White-crowned Sparrow, 13; White-throated Sparrow, 78; Song Sparrow, 2. **Total,** 54 species (1 additional race); about 3838 individuals.—Mrs. William Bertelsen, Lillian Brown, Mabel M.

Cortright (compiler), Lorene Davidson, Alma Durham, Mrs. John Fisher, Donna Johnson.

492. Western Travis County, Tex. (all points within a 15-mile diameter circle, center 8½ miles northwest of State Capitol Building, including west Austin, Lake Austin, lower Lake Travis to Dodd City; town 5%, river and lake 25%, grassland 15%, cultivated fields 5%, canyons and rocky slopes 10%, cedar brakes 15%, mixed cedar and deciduous woodland 25%).—Dec. 21; 6:30 a.m. to 11:59 p.m. Clear; temp. 40° to 55°; wind NW to ESE, 5-2 m.p.h. Thirteen observers in 5 parties. Total party-hours, 37 (13 on foot, 24 by car); total party-miles, 164 (15 on foot, 149 by car). ► Eared Grebe, 1; Pied-billed Grebe, 19; Double-crested Cormorant, 2; Great Blue Heron, 2; Mallard, 1; Gadwall, 513; Pintail, 42; Green-winged Teal, 7; Am. Widegon, 29; Shoveler, 10; Redhead, 1; Ring-necked Duck, 6; Canvasback, 2; Lesser Scaup, 29; Bufflehead, 1; Red-breasted Merganser, 1; Turkey Vulture, 19; Black Vulture, 12; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 6; Sparrow Hawk, 23; Am. Coot, 950; Killdeer, 20; Common Snipe, 21; Spotted Sandpiper, 4; Ring-billed Gull, 13; Mourning Dove, 90; Inca Dove, 11; Screech Owl, 1; Great Horned Owl, 3; Belted Kingfisher, 13; Yellow-shafted Flicker, 23; Red-shafted Flicker, 3; flicker (sp.), 11; Red-bellied Woodpecker, 19; Golden-fronted Woodpecker, 3; Red-headed Woodpecker, 2; Yellow-bellied Sapsucker, 3; Ladder-backed Woodpecker, 27; **Scissor-tailed Flycatcher, 2**; Eastern Phoebe, 22; Blue Jay, 59; Common Crow, 8; Carolina Chickadee, 82; Black-crested Titmouse, 67; Verdin, 4; House Wren, 22; Bewick's Wren, 89; Carolina Wren, 39; Long-billed Marsh Wren, 1; Cañon Wren, 5; Rock Wren, 2; Mockingbird, 154; Brown Thrasher, 6; Robin, 33; Hermit Thrush, 28; Eastern Bluebird, 42; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 85;. Loggerhead Shrike, 6; Solitary Vireo, 2; Orange-crowned Warbler, 11; Myrtle Warbler, 209; Pine Warbler, 2; Yellowthroat, 6; House Sparrow, 59; Western Meadowlark, 1; meadowlark (sp.), 59; Redwinged Blackbird, 159; Boat-tailed Grackle, 15; Cardinal, 235; House Finch, 188; Am. Goldfinch, 51; Lesser Goldfinch, 124; Rufous-sided Towhee, 84; Savannah Sparrow, 5; Vesper Sparrow, 1; Lark Sparrow, 6; Rufous-crowned Sparrow, 18; Black-throated Sparrow, 4; Slate-colored Junco, 170; Chipping Sparrow, 15; Field Sparrow, 309; Harris' Sparrow, 35; White-throated Sparrow, 88; Fox Sparrow, 2; Lincoln's Sparrow, 39; Swamp Sparrow, 7; Song Sparrow, 29. **Total,** 88 species; about 4637 individuals. (Seen in area count period, but not on count day: Blue-gray Gnatcatcher.)—Mrs. V. L. Adrean, Mr. and Mrs. George W. Bickler, Susie Coker, Mrs. J. Frank Dobie, Margaret Louise Hill, Edgar B. Kincaid, Jr., Mrs. William J. Lawson, Frank Oatman, Jr., John Louis Rowlett, Rose Ann Rowlett, Lucette Sharp, Fred S. Webster, Jr. (compiler) (Travis Audubon Society).

493. Billings, Mont. (all points within a 15-mile diameter circle, center at Carter Oil Refinery in Yellowstone Valley between Billings and Huntley; irrigated farmlands 45%, upland pasture and wheat fields 20%, rimrocks 10%, bottomland timber 5%, water areas 10%, urban 10%).—Dec. 27; 7 a.m. to 4:30 p.m. Partly cloudy; temp. 38° to 48°; wind 10-16 m.p.h.; half of area snow-covered, small water areas frozen. Eleven observers in 4 parties. Total party-hours, 32 (19 on foot, 13 by car); total party-miles, 216 (28 on foot, 188 by car). ► Great Blue Heron, 1; Mallard, 2022; Common Goldeneye, 88; Common Merganser, 2; Golden Eagle, 2; Bald Eagle, 2; Sparrow Hawk, 2; Ring-necked Pheasant, 91; Gray Partridge, 7; Killdeer, 21; Common Snipe, 1; Red-shafted Flicker, 15; Hairy Woodpecker, 1; Downy Woodpecker, 1; Black-billed Magpie, 283; Black-capped Chickadee, 56; Brown Creeper, 2; Townsend's Solitaire, 3; Bohemian Waxwing, 21; Northern Shrike, 1; Starling, 1167; House Sparrow, 746; Western Meadowlark, 21; Redwinged Blackbird, 12; Gray-crowned Rosy Finch, 78; Am. Goldfinch, 12; Slate-colored Junco, 15; Oregon Junco, 9; Tree Sparrow, 69; Song Sparrow, 11. **Total,** 30 species; about 4762 individuals. (Seen in area count period, but not on count day: Pigeon Hawk, Belted Kingfisher.)—Marguerite Boerner, Mrs. Della Burchett, Wilfred Crabb, Marcia Gorder, Richard Heiser, Mrs. Philip Hendricks, W. F. Hoheisel, Adrian Langstaff, Louis M. Moos (compiler), Ron Reintsma, Winifred Stull (Billings Audubon Society).

494. Bowdoin National Wildlife Refuge, Mont. (all points within a 15-mile diameter circle; including Black Coulee, groves around Headquarters, boat landing, Lakeside, Dry Lake, canal, A Dike, B Dike, C Dike).—Dec. 31; 8 a.m. to 4 p.m.; temp. 20° to 38°; wind SW, 0-5 m.p.h. Three observers in 1 party. Total party-hours, 8 (4 on foot, 4 by car); total party-miles, 41 (6 on foot, 35 by car). ► Rough-legged Hawk, 1; Golden Eagle, 2; Sharp-tailed Grouse, 6; Ring-necked Pheasant, 174; Great Horned Owl, 1; Long-eared Owl, 1; Red-shafted Flicker, 2; Horned Lark, 19; Black-billed Magpie, 16; Black-capped Chickadee, 3; Robin, 1; House Sparrow, 42; Brewer's Blackbird, 1. **Total,** 13 species; about 269 individuals. (Seen in area count period, but not on count day: Canada Goose, Bohemian Waxwing.)—Eldon L. Bates, Baine H. Cater (compiler), Lester L. Klatt.

495. Bozeman, Mont. (all points within a 15-mile diameter circle, center 4 miles west and 1 mile north of Bozeman, including Gallatin Valley from Lower Bridger Canyon and Sourdough Creek northwest to Belgrade; cultivated land 65%, range 10%, deciduous forest and thickets 15%, coniferous forest 5%, streams and marsh 3%, urban 2%).—Dec. 26; 8 a.m. to 4:30 p.m. Scattered clouds to clear; temp. 26° to 42°; no wind; 1-2-in. crusted snow, ground bare in places. Seven observers in 3 parties. Total party-hours, 25 (6 on foot, 19 by car); total party-miles, 217 (14 on foot, 203 by car). ► Mallard, 31; Goshawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 4; Rough-legged Hawk, 8; Marsh Hawk, 1; Sparrow Hawk, 1; Sharp-tailed Grouse, 21; Ring-necked Pheasant, 21; Gray

Partridge, 14; Killdeer, 8; Common Snipe, 7; Great Horned Owl, 1; Short-eared Owl, 8; Red-shafted Flicker, 5; Downy Woodpecker, 3; Horned Lark, 8; Steller's Jay, 1; Black-billed Magpie, 570; Common Crow, 4; Black-capped Chickadee, 26; Mountain Chickadee, 20; Brown Creeper, 1; Dipper, 3; Townsend's Solitaire, 2; Bohemian Waxwing, 120; Starling, 735; House Sparrow, 845; Western Meadowlark, 2; Evening Grosbeak, 2; Oregon Junco, 10; Tree Sparrow, 24; Song Sparrow, 14. **Total,** 33 species; about 2523 individuals. (Seen in area count period, but not on count day: Sharp-shinned Hawk, Prairie Falcon, Common Raven.)—Charles Bradley, Cliff Davis (compiler), Lou Jonas, Elmo Lott, Homer Metcalf, Cliff Montagne, P. D. Skaar.

496. Ennis, Mont. (all points within a 15-mile diameter circle, center in middle of Sect. 11, T5S, R1W, including Madison River basin and lower slopes of Madison Range, concentrating on areas near Ennis Lake, Madison River, Jack Creek, North Meadow Creek; altitude 4800-5800 ft.; bottomland pasture and cultivated fields 20%, upland range and wheat fields 30%, lake and streams 20%, coniferous forest and scrub 15%, deciduous forest and scrub 12%, marsh 3%).—Dec. 20; 7:30 a.m. to 5:30 p.m. Partly cloudy; temp. 30° to 42°; wind E to SW, 10-20 m.p.h.; patches of snow, lake largely frozen, most streams open. Two observers in 1 party. Total party-hours, 9 (3 on foot, 6 by car); total party-miles, 124 (4 on foot, 120 by car). ► **Common Loon, 1** (flying in circles above frozen lake); **Pied-billed Grebe, 1** (in small patch of open water); Trumpeter Swan, 5 (resting on ice); Canada Goose, 400; Mallard, 170; Common Goldeneye, 14; Common Merganser, 1; Rough-legged Hawk, 2; Golden Eagle, 1; Bald Eagle, 1; Marsh Hawk, 1; Killdeer, 3; Great Horned Owl, 1; Belted Kingfisher, 1; Red-shafted Flicker, 2; Horned Lark, 90; Black-billed Magpie, 85; Common Raven, 2; Common Crow, 1; Clark's Nutcracker, 8; Black-capped Chickadee, 8; Mountain Chickadee, 10; Dipper, 2; **Long-billed Marsh Wren, 1** (heard, then squeaked up); Robin, 1; Townsend's Solitaire, 11; Bohemian Waxwing, 10; Northern Shrike, 1; Starling, 5; House Sparrow, 50; Western Meadowlark, 1; Tree Sparrow, 2; Song Sparrow, 1; **Lapland Longspur, 10** (with Horned Larks). **Total,** 34 species; about 903 individuals. (Seen in area count period, but not on count day: Pintail, Green-winged Teal, Canvasback, Red-tailed Hawk, Common Redpoll.)—Homer Metcalf, P. D. Skaar (compiler).

497. Fortine, Mont. (all points within a 15-mile diameter circle, center 1½ miles northwest of Fortine; fields and sparsely-timbered hills 20%, second-growth conifer woods 50%, creek-flats of mixed spruce and broadleaf 30%).—Jan. 1; 8 a.m. to 5 p.m. Clear, clouding p.m.; temp. 29° to 25°; wind NW, 10-30 m.p.h.; ground bare or ice-covered in open, up to 6-in. crusted snow in woods. One observer. Total hours, 9 (8½ on foot, ½ by car); total miles, 14 (11 on foot, 3 by car). ► Mallard, 15; **Green-winged Teal, 1**; Ruffed Grouse, 2; Sharp-tailed Grouse, 1; Ring-necked Pheasant, 1; Common Snipe, 4; Saw-whet Owl, 1; Belted Kingfisher, 1; Red-shafted Flicker, 1; Pileated Woodpecker, 1; Hairy Woodpecker, 3; Downy Woodpecker, 1; Northern Three-toed Woodpecker, 1; Gray Jay, 5; Black-billed Magpie, 15; Common Raven, 32; Clark's Nutcracker, 8; Black-capped Chickadee, 33; Mountain Chickadee, 4; Red-breasted Nuthatch, 2; Dipper, 1; Northern Shrike, 1; House Sparrow, 15; Evening Grosbeak, 4; Common Redpoll, 1; Oregon Junco, 7; Song Sparrow, 2; Snow Bunting, 7. **Total,** 28 species; 170 individuals.—Winton Weydemeyer.

498. Libby, Mont. (all points within a 15-mile diameter circle, center at Mineral Ave. and 9th St.; approximately same area as 1953 except for omission of city reservoir area and flat east of Libby Creek; creeks, river, ponds, marsh 50%, residential area 30%, mixed coniferous and deciduous woods and clearings 15%, coniferous woods 5%).—Dec. 29; 8 a.m. to 5 p.m. Cloudy; temp. ?; 14-in. snow, most water unfrozen. Seven observers in 2-3 parties. Total party-hours, 18 (15 on foot, 3 by car); total party-miles, 61 (10 on foot, 51 by car). ► Mallard, 8; Pigeon Hawk, 1; Killdeer, 3; Common Snipe, 3; Pygmy Owl, 5; Belted Kingfisher, 2; Red-shafted Flicker, 5; Hairy Woodpecker, 2; Downy Woodpecker, 2; Black-billed Magpie, 2; Common Raven, 5; Clark's Nutcracker, 2; Black-capped Chickadee, 51; Mountain Chickadee, 1; Red-breasted Nuthatch, 6; Brown Creeper, 4; Dipper, 8; Townsend's Solitaire, 2; Golden-crowned Kinglet, 3; Bohemian Waxwing, 70; shrike (sp.), 1; House Sparrow, 136; Pine Grosbeak, 8; Common Redpoll, **600**; **Pine Siskin, 5**; Oregon Junco, 9; **White-throated Sparrow, 1** (all field marks); Song Sparrow, 4. **Total,** 28 species; about 949 individuals. (Seen in area count period, but not on count day: goldeneye (sp.), Bald Eagle, Robin, Evening Grosbeak, Red Crossbill.)—Ray Baenen, Charles Clough, Charlie Decker, Carl Engebretson, Don Peterson, Thomas Rogers (compiler).

499. Casper, Wyo. (all points within a 15-mile diameter circle, center just west of Casper as in 1948 and subsequent years; North Platte River Valley from just east of town to Speas Ranch warm spring on west, including adjacent prairies, cliffs and Casper Mountain; altitude 5100-8000 ft.).—Dec. 28; 7:30 a.m. to 4:30 p.m. Cloudy with some snow; temp. 30° to 28°; wind E, 5 m.p.h.; ground bare on lowlands, 12-in. snow on mountain. Seventeen observers in 6 parties. Total party-hours, 36 (12 on foot, 12 by car, 8 on ski, 4 at feeders); total party-miles, 180 (18 on foot, 152 by car, 10 on ski). ► Canada Goose, 55; Mallard, 533; Green-winged Teal, 12; Common Goldeneye, 18; Barrow's Goldeneye, 1; Bufflehead, 1; Rough-legged Hawk, 7; Golden Eagle, 7; Bald Eagle, 1; Marsh Hawk, 5; Prairie Falcon, 2; Pigeon Hawk, 1; Ring-necked Pheasant, 8; Killdeer, 1; Common Snipe, 24; Great Horned Owl, 8; Short-eared Owl, 1; Belted Kingfisher, 2; Yellow-shafted Flicker, 3 (intergrade); Red-shafted Flicker, 19; Hairy Woodpecker, 4; Downy Woodpecker, 5; Horned Lark, 23; Blue Jay, 1; Steller's Jay, 11; Black-

billed Magpie, 275; Piñon Jay, 84; Clark's Nutcracker, 9; Black-capped Chickadee, 52; Mountain Chickadee, 4; Red-breasted Nuthatch, 2; Dipper, 2; Long-billed Marsh Wren, 1; Robin, 3; Townsend's Solitaire, 3; Bohemian Waxwing, 200; Northern Shrike, 4; Starling, 87; House Sparrow, 531; Western Meadowlark, 2; Redwinged Blackbird, 2; Evening Grosbeak, 25; House Finch, 14; Gray-crowned Rosy Finch, 325; Common Redpoll, 20; Pine Siskin, 1; Slate-colored Junco, 2; Oregon Junco, 60; Tree Sparrow, 124; Harris' Sparrow, 1; White-crowned Sparrow, 2; Song Sparrow, 34. **Total,** 52 species; about 2622 individuals. (Seen in area count period, but not on count day: Blue Grouse.)—I. H. Austin, Mrs. J. E. Beal, L. R. Burkhart, W. R. Earnshaw, E. S. Gloriod, Mrs. J. C. Lambert, Mr. and Mrs. R. C. Hanke, P. W. Netterstrom, B. D. Rea, Mr. and Mrs. L. C. Rognstad, Dr. and Mrs. O. K. Scott (compilers), Hustace H. Scott, H. Yant, Mr. and Mrs. J. W. Yant.

500. Cheyenne, Wyo. (all points within a 15-mile diameter circle, center Cheyenne, including Horticultural Field Station, 2 city parks, Wyoming Hereford Ranch, 2 city cemeteries).—Dec. 28; 8 a.m. to 4 p.m.; temp. 28° to 30°; wind NNW, 15 m.p.h.; all water frozen over. Two observers in 1 party. Total party-hours, 8 (1 on foot, 7 by car); total party-miles, 70 (2 on foot, 68 by car). ► Marsh Hawk, 2; Ring-necked Pheasant, 1; Red-shafted Flicker, 5; Hairy Woodpecker, 1; Downy Woodpecker, 3; Horned Lark, 70; Gray Jay, 1; Blue Jay, 3; Black-billed Magpie, 29; Mountain Chickadee, 6; Red-breasted Nuthatch, 1; **Brown Thrasher, 1** (studied at close range); Robin, 8; Townsend's Solitaire, 7; Bohemian Waxwing, 156; Cedar Waxwing, 25; House Sparrow, 149; Western Meadowlark, 35; Redwinged Blackbird, 1; Common Grackle, 1; Evening Grosbeak, 1; House Finch, 20; Pine Grosbeak, 1; Common Redpoll, 6; Slate-colored Junco, 1; Oregon Junco, 3. **Total,** 26 species; about 537 individuals.—Robert D. Hanesworth, Mrs. Robert D. Hanesworth (compiler).

501. Black Forest, Colo. (all points within a 15-mile diameter circle, center 2 miles east of Table Rock, including Black Forest community, Rattlesnake Butte, Eastonville, Table Rock, headwaters of Kiowa and Cherry Creeks; elevation 6800-7700 ft.; Ponderosa Pine forest 35%, grassland and ranchland 50%, deciduous creekbottoms 10%, habitations 5%).—Dec. 27; 8 a.m. to 4:30 p.m. Partly cloudy; temp. 20° to 45°; wind SW, 0-20 m.p.h.; ground clear, most water frozen. Three observers in 1 party. Total party-hours, 8½ (4 on foot, 4½ by car); total party-miles, 89 (9 on foot, 80 by car). ► Golden Eagle, 3; Marsh Hawk, 16; Sparrow Hawk, 2; Ring-necked Pheasant, 1; Killdeer, 1; Short-eared Owl, 5; Red-shafted Flicker, 7; Hairy Woodpecker, 9; Downy Woodpecker, 5; Horned Lark, 41; Steller's Jay, 7; Black-billed Magpie, 122; Common Crow, 4; Black-capped Chickadee, 2; Mountain Chickadee, 25; White-breasted Nuthatch, 8; Pigmy Nuthatch, 143; Brown Creeper, 5; Cañon Wren, 1; Robin, 4; Townsend's Solitaire, 1; Golden-crowned Kinglet, 14; Northern Shrike, 3; Starling, 6; House Sparrow, 65; Western Meadowlark, 1; House Finch, 3; Pine Siskin, 15; Am. Goldfinch, 25; White-winged Junco, 126; Slate-colored Junco, 5; Oregon Junco, 85; Gray-headed Junco, 25; Tree Sparrow, 12; Song Sparrow, 1. **Total,** 35 species; about 798 individuals. (Seen in area count period, but not on count day: Red-tailed Hawk, Green-tailed Towhee.)—Larry Field, Hugh E. Kingery (compiler), George Sinton.

502. Boulder, Colo. (all points within a 15-mile diameter circle, center at northeast corner of Boulder as in previous years).—Dec. 31; 6 a.m. to 4:30 p.m. Clear; temp. 20° to 40°; wind W, 0-15 m.p.h.; 1-6-in. snow, all but 2 lakes frozen. Eleven observers in 4 parties. Total party-hours, 34 (17 on foot, 17 by car); total party-miles, 180 (12 on foot, 168 by car). ► Pied-billed Grebe, 1; Mallard, 8000; Pintail, 39; Green-winged Teal, 4; Am. Widgeon, 47; Shoveler, 7; Wood Duck, 1; Redhead, 6; Ring-necked Duck, 1; Canvasback, 10; Lesser Scaup, 1; Common Goldeneye, 16; Common Merganser, 15; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 7; Rough-legged Hawk, 2; Golden Eagle, 3; Marsh Hawk, 5; Prairie Falcon, 2; Sparrow Hawk, 4; Ring-necked Pheasant, 53; Am. Coot, 1; Killdeer, 5; Common Snipe, 7; Herring Gull, 3; Ring-billed Gull, 1; Mourning Dove, 1; Barn Owl, 2; Great Horned Owl, 1; Long-eared Owl, 10; Short-eared Owl, 1; Belted Kingfisher, 2; Red-shafted Flicker, 78; **Red-bellied Woodpecker, 1** (carefully identified—O. K., W. W.); Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 8; Horned Lark, 90; Steller's Jay, 134; Black-billed Magpie, 135; Common Crow, 4; Piñon Jay, 15; Clark's Nutcracker, 4; Black-capped Chickadee, 32; Mountain Chickadee, 30; White-breasted Nuthatch, 9; Red-breasted Nuthatch, 3; Pigmy Nuthatch, 117; Brown Creeper, 9; Dipper, 2; Cañon Wren, 6; Robin, 2; Townsend's Solitaire, 6; Golden-crowned Kinglet, 3; Ruby-crowned Kinglet, 2; Bohemian Waxwing, 25; Northern Shrike, 3; Starling, 332; Audubon's Warbler, 6; House Sparrow, 410; Western Meadowlark, 163; Redwinged Blackbird, 740; Evening Grosbeak, 4; House Finch, 137; Pine Siskin, 1; Am. Goldfinch, 7; Rufous-sided Towhee, 1; White-winged Junco, 77; Slate-colored Junco, 19; Oregon Junco, 260 (2 races); Gray-headed Junco, 111; Tree Sparrow, 175; **Chipping Sparrow, 6** (carefully identified—J. H.); White-crowned Sparrow, 62 (2 races); Song Sparrow, 13. **Total,** 76 species (2 additional races); about 11,507 individuals.—Gordon Alexander (compiler), Lawrence D. Crowley, Eleanor S. Hough, John N. Hough, Owen A. Knorr, Mike Stanley, Oakleigh Thorne II, Donald Van Horn, Linna Weber, William A. Weber, Olwen Williams (University of Colorado).

503. Colorado Springs, Colo. (all points within a 15-mile diameter circle, center at junction of U. S. Hwy. 85-87 and Harrison Ave. as in previous years).—Dec. 28; 7:30 a.m. to 5 p.m. Overcast, snow flurries on plains, constant snow higher; temp.

25° to 35°; wind NW, 0-20 m.p.h.; about 1-in. new snow on ground, streams open, large reservoirs half open, smaller ponds frozen. Twenty-six observers in 11 parties. Total party-hours, 62 (45 on foot, 17 by car); total party-miles, 322 (36 on foot, 286 by car). ► **Common Loon, 1** (seen well thru 20x scope); Great Blue Heron, 2; Canada Goose, 1; Mallard, 401; Gadwall, 3; Green-winged Teal, 31; Am. Widgeon, 17; **Shoveler, 12** (6 each by 2 widely separated parties); Redhead, 20; Canvasback, 1; Lesser Scaup, **200**; Common Merganser, 3; **Goshawk, 1** (present 3 weeks); Sharp-shinned Hawk, 3; Cooper's Hawk, 2; Red-tailed Hawk, 10; Rough-legged Hawk, 6; Golden Eagle, 9; Marsh Hawk, **31**; Prairie Falcon, 2; Sparrow Hawk, **20**; Scaled Quail, **91**; Ring-necked Pheasant, **31**; Am. Coot, **300**; Killdeer, 31; Common Snipe, 28; Great Horned Owl, 2; Red-shafted Flicker, 103; Lewis' Woodpecker, 3; Hairy Woodpecker, 10; Downy Woodpecker, 13; Horned Lark, 57; Blue Jay, 1; Steller's Jay, 172; Scrub Jay, 102; Black-billed Magpie, **702**; Common Raven, 1; Common Crow, **285**; Clark's Nutcracker, 2; Black-capped Chickadee, 38; Mountain Chickadee, 47; Common Bushtit, 14; White-breasted Nuthatch, 16; Pigmy Nuthatch, 52; Brown Creeper, 3; Dipper, 1; Cañon Wren, 1; Rock Wren, 1; Robin, 31; Townsend's Solitaire, 26; Ruby-crowned Kinglet, 4; **Bohemian Waxwing, 100** (carefully identified—Mrs. N. M., Mrs. W. N.); Cedar Waxwing, 64; Northern Shrike, 2; Starling, 63; House Sparrow, 991; Western Meadowlark, **244**; **Yellow-headed Blackbird, 1** (Mrs. F. S.); Redwinged Blackbird, 207; Brewer's Blackbird, 130; blackbird (sp.), 20; House Finch, 490; Pine Siskin, 47; Am. Goldfinch, 20; Rufous-sided Towhee, 21; **Brown Towhee, 6** (3 parties); White-winged Junco, 28; Slate-colored Junco, 12; Oregon Junco, 877 (Pink-sided, 448); Gray-headed Junco, 227; junco (sp.), 114; Tree Sparrow, 146; White-crowned Sparrow, 82; White-throated Sparrow, 2; Song Sparrow, 39. **Total,** 73 species (1 additional race); about 6877 individuals. (Seen in area count period, but not on count day: Bald Eagle, Red-breasted Nuthatch, Evening Grosbeak, Cassin's Finch.)—Mrs. T. L. Adams, Mr. and Mrs. Jay Berry, Robert Z. Brown, Dennis L. Carter, Mrs. G. L. Catlett, Stanley Davis, Mrs. Kenneth Ewing, Mrs. L. B. Field, Larry Field, Donald W. Galvin, Mary Alice Hamilton, Marjorie Leavens, Mrs. Noble Miller, Mr. and Mrs. Paul Nesbit, Mrs. William Noble, Mrs. Frank Sample (compiler), Mary Shirer, Mahlon Speers, Robert M. Stabler, Helen B. Thurlow, James H. Turner, Mr. and Mrs. H. J. Weberbauer, Mrs. A. D. Williams.

504. Durango, Colo. (all points within a 15-mile diameter circle, center 4½ miles southeast of Durango on Florida Mesa as in 1949 and subsequent years; scrub oak and piñon hillsides 50%, sagebrush 20%, open farmland 20%, cottonwood and willow thickets 10%).—Dec. 29; 7:30 a.m. to 4 p.m. Partly cloudy a.m., snowing p.m.; temp. 18° to 39°; wind W, 0-8 m.p.h.; 1-5-in. new snow, rivers and ponds open. Five observers in 1 party. Total party-hours, 8½ (4 on foot, 4½ by car); total party-miles, 69 (5 on foot, 64 by car). ► Mallard, 19; Blue-winged Teal, 5; Canvasback, 2; Common Goldeneye, 19; Common Merganser, 10; Sharp-shinned Hawk, 1; Red-tailed Hawk, 1; Golden Eagle, 1; Bald Eagle, 5; Marsh Hawk, 4; Sparrow Hawk, 4; Ring-necked Pheasant, 2; Belted Kingfisher, 1; Red-shafted Flicker, 17; Lewis' Woodpecker, 3; Horned Lark, 15; Steller's Jay, 1; Scrub Jay, 1; Black-billed Magpie, 115; Common Raven 16; Black-capped Chickadee, 8; White-breasted Nuthatch, 1; Dipper, 9; Robin, 5; **Bohemian Waxwing, 210** (2 flocks carefully identified); Loggerhead Shrike, 1; Starling, 198; House Sparrow, 80; Western Meadowlark, 62; Redwinged Blackbird, 25; Brewer's Blackbird, 10; Evening Grosbeak, 8; Rufous-sided Towhee, 3; Oregon Junco, 846 (Pink-sided, 33); Gray-headed Junco, 18; White-crowned Sparrow, 6. **Total,** 36 species (1 additional race); about 1732 individuals. (Seen in area count period, but not on count day: Piñon Jay, Mountain Chickadee.)—Nancy Frizell, Paul Frizell, Sandra Frizell, Thomas J. Frizell, Oppie Reames (compiler).

505. Fort Collins, Colo. (all points within a 15-mile diameter circle, center 4½ miles north-northwest of town as in 1948 and subsequent years).—Dec. 21; 6:45 a.m. to 5:15 p.m. Partly cloudy; temp. 20° to 47°; wind variable, 0-7 m.p.h.; snow on ground, a few lakes open. Five observers in 2 parties. Total party-hours, 18 (5 on foot, 13 by car); total party-miles, 198 (6 on foot, 192 by car). ► Canada Goose, 40; Mallard, 1339; Am. Widgeon, 2; Common Merganser, 80; Red-tailed Hawk, 5; Rough-legged Hawk, 10; Marsh Hawk, 9; Prairie Falcon, 1; **Peregrine Falcon, 1** (2 observers); Sparrow Hawk, 7; Ring-necked Pheasant, 92; Killdeer, 11; Common Snipe, 3; Herring Gull, 4; Ring-billed Gull, 100; Great Horned Owl, 2; Short-eared Owl, 1; Belted Kingfisher, 1; Red-shafted Flicker, 73; Hairy Woodpecker, 1; Downy Woodpecker, 4; Horned Lark, 4; Blue Jay, 3; Steller's Jay, 17; **Scrub Jay, 1**; Black-billed Magpie, 134; Common Crow, 168; **Piñon Jay, 176** (all field marks); Clark's Nutcracker, 1; Black-capped Chickadee, 19; Mountain Chickadee, 32; White-breasted Nuthatch, 2; Pigmy Nuthatch, 1; Brown Creeper, 10; Dipper, 8; Cañon Wren, 10; Townsend's Solitaire 5; **Water Pipit, 1** (carefully identified); Northern Shrike, 3; Starling, 2265; House Sparrow, 459; Western Meadowlark, 282; Redwinged Blackbird, 2; House Finch, 5; Pine Siskin, 75; Am. Goldfinch, 3; White-winged Junco, 2; Slate-colored Junco, 5; Oregon Junco, 208; Gray-headed Junco, 4; Tree Sparrow, 148; White-crowned Sparrow, 42; Song Sparrow, 30. **Total,** 53 species; about 5911 individuals. (Seen in area count period, but not on count day: Screech Owl, Lewis' Woodpecker, Mourning Dove.)—John R. Douglass, Margaret M. Douglass (compiler), Jack B. Lozier, Audrey T. Ryder, Ronald A. Ryder.

506. Grand Junction, Colo. (all points within a 15-mile diameter circle, center same as other years).—Dec. 28; 8:30 a.m. to 5 p.m. Cloudy to clear; temp. 32° to 45°; no wind; 1-in. fresh snow, river partly frozen. Nine observers in 3 parties. Total party-hours, 24; total party-miles, 306 (? on foot, ? by car). ►

Mallard, 158; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Marsh Hawk, 4; Sparrow Hawk, 8; Mountain Quail, 2; Ring-necked Pheasant, 2; Am. Coot, 1; Killdeer, 3; Red-shafted Flicker, 26; Downy Woodpecker, 1; Eastern Phoebe, 5; Black-billed Magpie, 27; Common Crow, 1; Black-capped Chickadee, 5; Mountain Chickadee, 2; Bewick's Wren, 1; Mockingbird, 1; Robin, 26; Ruby-crowned Kinglet, 4; Bohemian Waxwing, 2; Loggerhead Shrike, 6; Starling, 230; Audubon's Warbler, 1; House Sparrow, 250; Western Meadowlark, 53; Redwinged Blackbird, 500; Brewer's Blackbird, 32; Evening Grosbeak, 2; House Finch, 4; Pine Siskin, 21; Am. Goldfinch, 21; Slate-colored Junco, 6; Oregon Junco, 4; Gray-headed Junco, 16; White-crowned Sparrow, 104; Song Sparrow, 3. **Total,** 37 species; about 1535 individuals. (Seen in area count period, but not on count day: Common Goldeneye, Ferruginous Hawk.)—Mrs. F. S. Carman (compiler), F. S. Carman, Mrs. W. D. Ela, Mrs. V. F. Fulton, Robert and Lorna Gustafson, Mrs. Edna Kellogg, Mrs. W. D. Pilkenton, W. D. Pilkenton.

507. Gunnison, Colo. (all points within a 15-mile diameter circle, center near junction of Antelope and West Antelope Creeks; from Tomichi Creek to Lost Canyon and ridge between the Antelope Creeks; sagebrush 25%, aspen-spruce-fir forest 25%, fields 25%, flood-plain forest 15%, town 10%).—Dec. 20; 7 a.m. to 5:55 p.m. Clear to partly cloudy; temp. ?°; no wind; ground bare below 8000 ft., up to 8-in. snow above that. Three observers in 1 party. Total party-hours, 11 (7 on foot, 4 by car); total party-miles, 65 (14 on foot, 51 by car). ► Mallard, 14; Common Goldeneye, 6; Common Merganser, 1; Killdeer, 4; Common Snipe, 6; Downy Woodpecker, 3; Black-billed Magpie, 52; Black-capped Chickadee, 14; Mountain Chickadee, 20; White-breasted Nuthatch, 2; Brown Creeper, 3; Dipper, 4; Golden-crowned Kinglet, 2; House Sparrow, 62; Redwinged Blackbird, 60; House Finch, 9; grosbeak (sp.), 2; Tree Sparrow, 3; Song Sparrow, 6. **Total,** 19 species; about 273 individuals. (Fresh tracks of Sage Grouse seen day of count.)—Erlon F. Broomhall, A. Sidney Hyde (compiler), Ronald Meyer.

508. Idaho Springs, Colo. (all points within a 15-mile diameter circle, center near junction of U. S. 6 and 40 west of Idaho Springs as in last 7 years).—Dec. 27; 7:30 a.m. to 6 p.m. Clear; temp. 15° to 30°; wind SW, 5-20 m.p.h.; streams half open, snow on ground above 8000 ft. Eight observers in 4 parties. Total party-hours, 34 (11 on foot, 23 by car); total party-miles, 136 (8 on foot, 128 by car). ► Bald Eagle, 1; White-tailed Ptarmigan, 2; Northern Three-toed Woodpecker, 3; Gray Jay, 26; Steller's Jay, 50; Black-billed Magpie, 24; Common Raven, 10; Clark's Nutcracker, 11; Black-capped Chickadee, 4; Mountain Chickadee, 57; White-breasted Nuthatch, 1; Brown Creeper, 1; Dipper, 5; Robin, 2; Townsend's Solitaire, 21; Bohemian Waxwing, 25; Cedar Waxwing, 20; House Sparrow, 47; Common Grackle, 1; Pine Grosbeak, 2; White-winged Junco, 2; Slate-colored Junco, 4; Oregon Junco, 12; Gray-headed Junco, 3. **Total,** 24 species; about 334 individuals.—Vernon Betts, Joe Borden, Marian Borden, Dennis Carter, John Chapin (compiler), Ken Lane, Thompson Marsh, Donald Thatcher (Colorado Bird Club).

509. Jefferson County, Colo. (all points within a 15-mile diameter circle, center near break in hogback at Ken Caryl Ranch entrance as in previous years).—Dec. 20; 7 a.m. to 5:30 p.m. Cloudy; temp. 20° to 45°; wind W, 0-8 m.p.h.; ground bare, streams and lakes 90% open. Sixteen observers in 6 parties. Total party-hours, 53 (34 on foot, 19 by car); total party-miles, 243 (31 on foot, 212 by car). ► Horned Grebe, 2; Western Grebe, 1; Pied-billed Grebe, 2; Great Blue Heron, 3; Canada Goose, 361; Snow Goose, 1; Mallard, 458; Gadwall, 84; Pintail, 66; Green-winged Teal, 96; Am. Widgeon, 40; Shoveler, 12; Redhead, 25; Ring-necked Duck, 28; Canvasback, 11; Common Goldeneye, 60; Bufflehead, 8; Ruddy Duck, 2; Hooded Merganser, 4; Common Merganser, 500; Cooper's Hawk, 3; Red-tailed Hawk, 9; Rough-legged Hawk, 2; Golden Eagle, 4; Marsh Hawk, 10; Prairie Falcon, 2; Sparrow Hawk, 25; Blue Grouse, 1; Ring-necked Pheasant, 27; Am. Coot, 48; Killdeer, 30; Common Snipe, 16; Herring Gull, 18; Ring-billed Gull, 204; Mourning Dove, 5; Great Horned Owl, 2; Long-eared Owl, 2; Belted Kingfisher, 8; Red-shafted Flicker, 93; Hairy Woodpecker, 1; Downy Woodpecker, 13; Horned Lark, 33; Steller's Jay, 50; Scrub Jay, 41; Black-billed Magpie, 443; Common Crow, 242; Black-capped Chickadee, 94; Mountain Chickadee, 128; White-breasted Nuthatch, 12; Pigmy Nuthatch, 90; Brown Creeper, 8; Dipper, 6; Long-billed Marsh Wren, 3; Cañon Wren, 18; Robin, 15; Townsend's Solitaire, 16; Golden-crowned Kinglet, 7; Northern Shrike, 2; Starling, 244; House Sparrow, 272; Western Meadowlark, 135; Redwinged Blackbird, 1680; Brewer's Blackbird, 619; Evening Grosbeak, 2; Cassin's Finch, 11; House Finch, 141; Gray-crowned Rosy Finch, 54; Black Rosy Finch, 2; Brown-capped Rosy Finch, 25; Pine Siskin, 4; Am. Goldfinch, 55; Rufous-sided Towhee, 25; White-winged Junco, 28; Slate-colored Junco, 38; Oregon Junco, 508; Gray-headed Junco, 75; Tree Sparrow, 674; White-crowned Sparrow, 52; Song Sparrow, 83. **Total,** 79 species; about 8222 individuals.—Dennis Carter, Phyllis Caswell, John Chapin (compiler), Ann Condit, Catherine Crone, Leonard Dieckman, Ferd Kleinschnitz, Lucy Marsh, Thompson Marsh, E. D. McKee, Sadie Morrison, Gwen Smith, Donald Thatcher, Lois Webster, Jean White, Parnell White (Colorado Bird Club).

510. Longmont, Colo. (all points within a 15-mile diameter circle, center northwest of Longmont at intersection of Hygiene and Hover Roads; farmland and roadsides 66%, lakes and ponds 15%, creekbottoms and seepage ditches 15%, marshes 2%, city, cemetery and parks 2%).—Dec. 22; 7 a.m. to 5 p.m. Cloudy; temp. 28° to 46°; wind W, 0-2 m.p.h.; some old snow, fields muddy, small ponds frozen, streams and parts of large lakes open. Seven observers in 4 parties. Total party-hours, 36 (9 on foot, 27 by car); total party-miles, 218 (18 on foot, 200 by car). ► Great Blue Heron, 6; Canada Goose, 11;

Snow Goose, 1; Mallard, **53,250**; Pintail, 7; Green-winged Teal, 14; Shoveler, 5; Common Goldeneye, 8; Common Merganser, 20; Red-tailed Hawk, 10; Rough-legged Hawk, 4; Golden Eagle, 3; Bald Eagle, 3; Marsh Hawk, 6; **Pigeon Hawk, 2**; Sparrow Hawk, 10; Ring-necked Pheasant, 62; **Am. Coot, 9**; Killdeer, 21; Common Snipe, **64**; Herring Gull, 11; Ring-billed Gull, 1; Mourning Dove, 29; Great Horned Owl, 4; Long-eared Owl, 9; Belted Kingfisher, 7; Red-shafted Flicker, **150**; Lewis' Woodpecker, 9; Hairy Woodpecker, 5; Downy Woodpecker, 18; Blue Jay, 16; Steller's Jay, 11; Black-billed Magpie, 185; Common Crow, **10,138**; Black-capped Chickadee, 43; Mountain Chickadee, 17; Brown Creeper, 3; Dipper, 1; Long-billed Marsh Wren, 1; Robin, 4; Townsend's Solitaire, 1; Northern Shrike, 5; Starling, 650; **Myrtle Warbler, 1** (regular at feeder); House Sparrow, 470; Western Meadowlark, **350**; Redwinged Blackbird, 2580; Common Grackle, 4; House Finch, 55; Pine Siskin, 28; Am. Goldfinch, 20; White-winged Junco, 1; Slate-colored Junco, 11; Oregon Junco, 260; Gray-headed Junco, 16; Tree Sparrow, 35; White-crowned Sparrow, 74; **White-throated Sparrow, 1** (caught and banded); Song Sparrow, 37. **Total,** 59 species; about 68,777 individuals. (Seen in area count period, but not on count day: Dunlin [carefully studied, Mrs. C. N. C.], Brewer's Blackbird, Evening Grosbeak, Harris' Sparrow.)—Jay H. Arnold, Mrs. Carl N. Collister (compiler), Harold M. Dunning, Mrs. Fred Fox, Mrs. Arthur Smith, Mrs. Nina Stultz, Mrs. John Thielen.

511. Loveland, Colo. (all points within a 15-mile diameter circle, center on bridge over Big Thompson River on U. S. 34 as in 1955 and subsequent years).—Dec. 22; 7 a.m. to 5 p.m. Cloudy; temp. 27° to 35°; wind W, 0-5 m.p.h.; ground snow-covered, a few large bodies of water partly open. Two observers in 1 party. Total party-hours, 10 (2 on foot, 8 by car); total party-miles, 75 (3 on foot, 72 by car). ► **Common Loon, 1** (seen well with 20x scope); **Pied-billed Grebe, 1** (close range); Great Blue Heron, 2; Mallard, 6617; Green-winged Teal, **1006**; Common Goldeneye, 22; Common Merganser, 8; Goshawk, 1; Red-tailed Hawk, 1; Marsh Hawk, 1; Sparrow Hawk, 2; Ring-necked Pheasant, 4; Killdeer, 3; Common Snipe, 3; Herring Gull, 1; Ring-billed Gull, 1; Belted Kingfisher, 4; Red-shafted Flicker, 21; Downy Woodpecker, 4; Horned Lark, 15; Steller's Jay, 15; Black-billed Magpie, 62; Common Raven, 2; Black-capped Chickadee, 18; Mountain Chickadee, 10; White-breasted Nuthatch, 1; Brown Creeper, 2; Dipper, **26**; Cañon Wren, 6; **Mockingbird, 1** (at 5 ft.); Townsend's Solitaire, 2; Ruby-crowned Kinglet, 1; Northern Shrike, 4; Starling, 108; House Sparrow, 340; Western Meadowlark, 72; Redwinged Blackbird, 4; Evening Grosbeak, 1; Cassin's Finch, 5; House Finch, 4; Am. Goldfinch, 1; White-winged Junco, 21; Slate-colored Junco, 1; Oregon Junco, 193; Gray-headed Junco, 9; Tree Sparrow, 55; White-crowned Sparrow, 3; Song Sparrow, 6. **Total,** 48 species; about 8691 individuals. (Seen in area count period, but not on count day: Lewis' Woodpecker.)—John R. Douglass, Margaret M. Douglass (compiler).

512. Monte Vista National Wildlife Refuge, Colo. (all points within a 15-mile diameter circle, center in Waverly District, including Refuge, Hot Creek area, Flucky Springs, LaJara area, McIntyre Springs, LaSauses area).—Jan. 1; 7 a.m. to 5 p.m.; temp. -5° to 30°; no wind. One observer. Total hours, 10; total miles, 100 (1 on foot, 99 by car). ► Great Blue Heron, 1; Canada Goose, 55; Mallard, 20,250; Pintail, 600; Green-winged Teal, 150; Red-breasted Merganser, 2; Cooper's Hawk, 1; Rough-legged Hawk, 5; Golden Eagle, 2; Bald Eagle, 1; Marsh Hawk, 20; Prairie Falcon, 1; Ring-necked Pheasant, 55; Killdeer, 1; Common Snipe, 1; Short-eared Owl, 5; Belted Kingfisher, 1; Red-shafted Flicker, 4; Downy Woodpecker, 1; Horned Lark, 12; Black-billed Magpie, 572; Common Crow, 21; Black-capped Chickadee, 5; Mockingbird, 1; Golden-crowned Kinglet, 13; Loggerhead Shrike, 1; Starling, 48; House Sparrow, 300; Redwinged Blackbird, 33; Brewer's Blackbird, 49; Oregon Junco, 32; Tree Sparrow, 250. **Total,** 32 species; about 22,493 individuals.—Charles R. Bryant.

513. Nederland, Colo. (all points within a 15-mile diameter circle, center at University of Colorado Science Lodge 6 miles north of Nederland; altitude 8700-11,000 ft.).—Dec. 20; 7 a.m. to 3:30 p.m. Partly cloudy to clear; temp. 30° to 40°; wind gusty, 0-40 m.p.h.; 1-2-in. snow cover. Four observers in 3 parties. Total party-hours, 25 (22 on foot, 3 by car); total party-miles, 55 (37 on foot, 18 by car). ► Red-tailed Hawk, 1; Hairy Woodpecker, 2; Gray Jay, 7; Steller's Jay, 14; Black-billed Magpie, 4; Common Raven, 7; **Black-capped Chickadee, 2** (at 10 feet—O. W.); Mountain Chickadee, 81; White-breasted Nuthatch, 4; Red-breasted Nuthatch, 1; Pigmy Nuthatch, 7; Brown Creeper, 1; Townsend's Solitaire, 4; Bohemian Waxwing, 40; Cedar Waxwing, 8; Pine Grosbeak, 4; Pine Siskin, 3; Red Crossbill, 37; **White-winged Crossbill, 32**; White-winged Junco, 6; Slate-colored Junco, 26; Oregon Junco, 2. **Total,** 22 species; 293 individuals.—D. V. Hotaling, V. F. Keen, E. N. Viereck, O. Williams (compiler).

514. Paonia, Colo. (all points within a 15-mile diameter circle, center near bridge across North Fork of Gunnison River; from Roatcap Gulch to Bowie, south to north edge of the "'Dobes"; flood-plain forest 30%, junipers 25%, open fields and 'dobes 12%; scrub oak and similar brush 25%, orchards 8%).—Dec. 29; 7:30 a.m. to 5 p.m. Clear; temp. 10° to 33°; wind N, 5-10 m.p.h.; 3-6-in. fresh snow, streams open. Three observers in 1 party. Total party-hours, 9½ (7 on foot, 2½ by car); total party-miles, 89 (12 on foot, 77 by car). ► Mallard, 7; accipiter (sp.), 1; Red-tailed Hawk, 1; Marsh Hawk, 3; Sparrow Hawk, 1; Gambel's Quail, 24; Ring-necked Pheasant, 1; Killdeer, 1; **Mourning Dove, 6** (few feet from car); Belted Kingfisher, 1; Red-shafted Flicker, 18; Lewis' Woodpecker, 1; Hairy Wood-

pecker, 1; Downy Woodpecker, 1; Horned Lark, 62; Steller's Jay, 2; Scrub Jay, 6; Black-billed Magpie, 22; Common Raven, 1; Black-capped Chickadee, 20; Plain Titmouse, 6; Common Bushtit, 13; White-breasted Nuthatch, 1; thrush (sp.), 1 (probably Hermit); Western Bluebird, 2; Townsend's Solitaire, 9; Northern Shrike, 1; Starling, 33; House Sparrow, 17; Western Meadowlark, 43; Redwinged Blackbird, 152; Evening Grosbeak, 5; House Finch, 116; Am. Goldfinch, 2; Oregon Junco, 28 (3 Pink-sided); Gray-headed Junco, 2; junco (sp.), 179; Tree Sparrow, 4; White-crowned Sparrow, 6; Song Sparrow, 22. **Total,** 39 species (1 additional race); about 821 individuals. (Seen in area count period, but not on count day: Sharp-shinned Hawk, Golden Eagle, Bewick's Wren, Robin.)—Homer Griffin, A. Sidney Hyde (compiler), Kathy Hyde.

515. Rocky Mountain National Park, Colo. (all points within a 15-mile diameter circle, center 1 mile west of Estes Park Village on Highway 34; elevation 7500-10,800 ft.; grassland 15%, evergreen forest 60%, aspen 5%, creekbottoms and lakes 15%, town and built-up areas 5%).—Dec. 28; 7 a.m. to 4 p.m. Snowing; temp. 24° to 28°; wind ESE, 3-10 m.p.h.; snow on ground, Lake Estes open. Five observers in 2 parties. Total party-hours, 15 (6 on foot, 9 by car); total party-miles, 77 (8 on foot, 69 by car). ► Mallard, 11; Common Goldeneye, 126; **Barrow's Goldeneye, 1** (present since Nov.); Bufflehead, 1; Common Merganser, 1; Downy Woodpecker, 1; Gray Jay, 5; Steller's Jay, 21; Black-billed Magpie, 20; Common Raven, 1; Clark's Nutcracker, 1; Black-capped Chickadee, 3; Mountain Chickadee, 11; Red-breasted Nuthatch, 4; Pigmy Nuthatch, 24; Brown Creeper, 2; Dipper, **18**; Northern Shrike, 1; Gray-crowned Rosy Finch, 250; Black Rosy Finch, 1; Brown-capped Rosy Finch, 10; White-winged Junco, 2; Slate-colored Junco, 10; Oregon Junco, 29; Gray-headed Junco, 5; Song Sparrow, 1. **Total,** 26 species; about 560 individuals. (Seen in area count period, but not on count day: Lesser Scaup, Ruddy Duck, White-breasted Nuthatch.)—Wayne W. Bryant, John R. Douglass, Margaret M. Douglass (compiler), Jack B. Lozier, Ronald A. Ryder.

516. Carlsbad Caverns National Park, N. Mex. (all points within a 15-mile diameter circle, center at Park Headquarters, including Walnut Canyon, Oak and Rattlesnake Springs, Washington Ranch; Upper Sonoran desert shrub 60%, Lower Sonoran desert shrub 32%, irrigated farmland 8%).—Dec. 21; 6:45 a.m. to 5 p.m. Partly cloudy to clear; temp. 40° to 50°; wind SE, 1-5 m.p.h. Two observers in 1 party. Total party-hours, 9½ (4½ on foot, 5 by car); total party-miles, 53 (2 on foot, 51 by car). ► Mallard, 15; Pintail, 1; Green-winged Teal, 2; Am. Widgeon, 1; Shoveler, 4; Lesser Scaup, 3; Cooper's Hawk, 1; Red-tailed Hawk, 3; Marsh Hawk, 3; Sparrow Hawk, 1; Scaled Quail, 80; Ring-necked Pheasant, 1; Sandhill Crane, 40; Am. Coot, 3; Killdeer, 4; Common Snipe, 1; Mourning Dove, 1; Roadrunner, 1; Great Horned Owl, 3; Red-shafted Flicker, 5; Ladder-backed Woodpecker, 4; **Eastern Phoebe, 1** (all field marks); Black Phoebe, 1; Say's Phoebe, 4; **empidonax flycatcher (sp.), 1**; Scrub Jay, 5; Cactus Wren, 1; Long-billed Marsh Wren, 1; Rock Wren, 12; Mockingbird, 19; Curve-billed Thrasher, 1; Sage Thrasher, 21; Robin, 2; bluebird (sp.), 1; Townsend's Solitaire, 1; Ruby-crowned Kinglet, 2; Loggerhead Shrike, 2; Starling, 5; Audubon's Warbler, 4; House Sparrow, 5; Western Meadowlark, 33; Yellow-headed Blackbird, 25; Redwinged Blackbird, 300; Brewer's Blackbird, 365; Pyrrhuloxia, 8; House Finch, 75; Am. Goldfinch, 5; Green-tailed Towhee, 3; Rufous-sided Towhee, 19; Brown Towhee, 2; Black-throated Sparrow, 18; Slate-colored Junco, 4; Oregon Junco, 2; Gray-headed Junco, 5; Chipping Sparrow, 25; Brewer's Sparrow, 3; White-crowned Sparrow, 230; Lincoln's Sparrow, 2; Song Sparrow, 6. **Total,** 59 species; about 1396 individuals. (Seen in area count period, but not on count day: Golden Eagle, Bald Eagle.)—Bruce K. Harris, Paul Spangle.

517. Clayton, N. Mex. (all points within a 15-mile diameter circle, center 6 miles NW of Clayton; includes Perico and Rabbit Ear Creeks, Clayton Lake refuge, Clayton; town 1%, farming 1%, open prairie 18%, cottonwood-lined creeks and cedar slopes 50%, lake and surrounding refuge 30%).—Dec. 26; 7:30 a.m. to 5:30 p.m. Partly cloudy; temp. 35° to 50°; wind NNW, 2-16 m.p.h. Five observers in 2 parties. Total party-hours, 16 (12 on foot, 4 by car); total party-miles, 70 (10 on foot, 60 by car). ► Pied-billed Grebe, 3; Great Blue Heron, 3; Canada Goose, 32; Mallard, 46; Lesser Scaup, 2; Common Merganser, 54; Red-tailed Hawk, 6; Rough-legged Hawk, 1; Golden Eagle, 3; Prairie Falcon, 1; Pigeon Hawk, 1; Sparrow Hawk, 10; Bobwhite, 8; Scaled Quail, 425; Ring-necked Pheasant, 3; Am. Coot, 1; Killdeer, 1; Mourning Dove, 7; Roadrunner, 3; Great Horned Owl, 7; Belted Kingfisher, 3; Yellow-shafted Flicker, 1; Red-shafted Flicker, 28; Red-bellied Woodpecker, 1; Downy Woodpecker, 4; Ladder-backed Woodpecker, 1; Horned Lark, 109; Black-billed Magpie, 46; Mountain Chickadee, 1; Bewick's Wren, 1; Cañon Wren, 1; Mockingbird, 1; Robin, 17; Townsend's Solitaire, 29; Loggerhead Shrike, 4; Starling, 330; House Sparrow, 500; Western Meadowlark, 116; Redwinged Blackbird, 350; House Finch, 10; Pine Siskin, 475; Am. Goldfinch, 31; Brown Towhee, 14; White-winged Junco, 2; Slate-colored Junco, 72; Oregon Junco, 441 (Pink-sided, 398); Tree Sparrow, 120; Chipping Sparrow, 1; White-crowned Sparrow, 8; Fox Sparrow, 1; Song Sparrow, 55; Chestnut-collared Longspur, 1. **Total,** 52 species (1 additional race); about 3391 individuals. (Seen in area count period, but not on count day: Marsh Hawk, Chukar.)—W. W. Cook, Neland Gray, Adolf J. Krehbiel (compiler), G. F. Lewis, Jr., Paul W. Snoeberger.

518. Espanola, N. Mex. (all points within a 15-mile diameter circle, center Espanola bridge as in preceding years, including pueblos of San Juan, Santa Clara, San Ildefonso, towns of Pojoaque, Chamita, Chimayo, Alcalde; riverbottoms 65%, orchards and gardens 10%, conifer mesas 10%, open prairie 10%, canyons 5%).—Dec. 28; 7 a.m. to 5 p.m. Clear

to cloudy, snow evening; temp. 30° to 45°; wind SW to W, 0-10 m.p.h.; no snow, river open, most ponds frozen. Ten observers in 5 parties. Total party-hours, 50 (30 on foot, 20 by car); total party-miles, 257 (27 on foot, 230 by car). ► Great Blue Heron, 2; Mallard, 19; Redhead, 2; Common Goldeneye, 1; duck (sp.), 30; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 3; Marsh Hawk, 4; Sparrow Hawk, 14; Gambel's Quail, 30; **Virginia Rail, 2**; Killdeer, 11; Common Snipe, 5; Belted Kingfisher, 7; Red-shafted Flicker, 105; Lewis' Woodpecker, 27; Hairy Woodpecker, 11; Downy Woodpecker, 8; Ladder-backed Woodpecker, 2; Say's Phoebe, 2; Horned Lark, 65; **Tree Swallow, 20** (J. T., M. T.); Scrub Jay, 17; Black-billed Magpie, 88; Common Raven, 40; **White-necked Raven, 40**; Common Crow, **425**; Piñon Jay, 25; Black-capped Chickadee, 4; Mountain Chickadee, 37; Plain Titmouse, 2; White-breasted Nuthatch, 5; Red-breasted Nuthatch, 2; Pigmy Nuthatch, 10; Brown Creeper, 3; Bewick's Wren, 1; Long-billed Marsh Wren, **11**; **Mockingbird, 2**; Robin, **2882**; Western Bluebird, 19; Mountain Bluebird, **1396**; Townsend's Solitaire, **321**; Ruby-crowned Kinglet, 10; **Water Pipit, 1** (W. L.); Cedar Waxwing, **412**; **Bohemian Waxwing, 26** (carefully identified—M. C.); Loggerhead Shrike, 8; Starling, **2900**; **Myrtle Warbler, 2**; Audubon's Warbler, 9; House Sparrow, 317; Western Meadowlark, 7; Redwinged Blackbird, **972**; Brewer's Blackbird, 6; Evening Grosbeak, 9; House Finch, 377; Pine Siskin, 96; Am. Goldfinch, 60; Lesser Goldfinch, 40; **Green-tailed Towhee, 1** (W. L.); Rufous-sided Towhee, 9; Brown Towhee, 4; Oregon Junco, 806 (66 Pink-sided); Gray-headed Junco, 963; Tree Sparrow, 8; Chipping Sparrow, 2; White-crowned Sparrow, 411; Song Sparrow, 78. **Total,** 68 species (1 additional race); about 12,936 individuals. —Carl W. Bjorklund, Marilyn Bjorklund, Don T. Cromer, Marge Cromer, Marielle Fenstermacher, W. Burton Lewis, Joseph D. Pickard, Patricia R. Snider (compiler), James Travis, Marylou Travis.

519. Las Vegas, N. Mex. (all points within a 15-mile diameter circle, center Sixth and Douglas Streets as in previous years).—Dec. 24; 7 a.m. to 5 p.m.; temp. 20° to 52°; wind 0-10 m.p.h. One observer. Total hours, 10; total miles, 63 (4 on foot, 59 by car). ► Eared Grebe, 1; Western Grebe, 2; Canada Goose, 64; Mallard, 31; Gadwall, 182; Pintail, 130; Green-winged Teal, 38; Am. Widgeon, 106; Shoveler, 40; Redhead, 587; Canvasback, 14; Greater Scaup, 8; Lesser Scaup, 6; Common Goldeneye, 12; Bufflehead, 8; Ruddy Duck, 15; Common Merganser, 41; Bald Eagle, 1; Marsh Hawk, 7; Sparrow Hawk, 10; Am. Coot, **3700**; Killdeer, 16; Common Snipe, **15**; Ring-billed Gull, **52**; Belted Kingfisher, 1; Red-shafted Flicker, 13; Hairy Woodpecker, 4; Downy Woodpecker, 2; Horned Lark, 21; Steller's Jay, 11; Scrub Jay, 7; Black-billed Magpie, 70; Common Raven, 100; Common Crow, 167; Mountain Chickadee, 7; **Black-capped Chickadee, 2** (carefully identified); White-breasted Nuthatch, 1; Pigmy Nuthatch, 15; Brown Creeper, 1; Robin, 10; Mountain Bluebird, 11; Townsend's Solitaire, 2; Ruby-crowned Kinglet, 4; Loggerhead Shrike, 1; Starling, **400**; House Sparrow, 42; Western Meadowlark, 29; **Redwinged Blackbird, 4500**; House Finch, 3; Pine Siskin, 485; Baird's Sparrow, 3; Oregon Junco, 153 (41 Pink-sided); Gray-headed Junco, 149; **Tree Sparrow, 50** (present all month); Song Sparrow, 7. **Total,** 55 species (1 additional race); about 11,357 individuals.—Elmer Schooley.

520. Roswell, N. Mex. (all points within a 15-mile diameter circle, center at Hondo bridge, East College, including Roswell and Bitter Lakes Refuge; prairie 64%, irrigated farms 28%, city 4%, river-bottom 2%, lakes and ponds 2%).—Dec. 22; 7 a.m. to 5 p.m. High cloudiness; temp. 24° to 56°; wind SW, 0-10 m.p.h. Nine observers in 6 parties. Total party-hours, 63 (10 on foot, 53 by car); total party-miles, 330 (19 on foot, 311 by car). ► Horned Grebe, 1; Eared Grebe, 3; Pied-billed Grebe, 14; Double-crested Cormorant, 15; Great Blue Heron, 11; Common Egret, 1; Black-crowned Night Heron, 4; Am. Bittern, 3; Canada Goose, 180; White-fronted Goose, 1; Snow Goose, 10; Mallard, 6966; Gadwall, 12; Pintail, 3895; Green-winged Teal, 15; Am. Widgeon, 12,955; Shoveler, 128; Redhead, 25; Ring-necked Duck, 955; Canvasback, 3062; Lesser Scaup, 17; Common Goldeneye, 17; Bufflehead, 102; Ruddy Duck, 170; Hooded Merganser, 2; Common Merganser, 63; **Goshawk, 1** (seen well—J. S.); Sharp-shinned Hawk, 3; Cooper's Hawk, 1; Red-tailed Hawk, 9; Rough-legged Hawk, 6; Ferruginous Hawk, 3; Marsh Hawk, 14; Osprey, 1; Prairie Falcon, 2; Pigeon Hawk, 2; Sparrow Hawk, 28; Scaled Quail, 83; Ring-necked Pheasant, 3; Sandhill Crane, **22,750**; Am. Coot, 2912; Killdeer, 10; Common Snipe, 3; Greater Yellowlegs, 13; Lesser Yellowlegs, 4; Herring Gull, 16; Ring-billed Gull, 400; Mourning Dove, 9; Roadrunner, 3; Great Horned Owl, 1; Burrowing Owl, 5; Belted Kingfisher, 3; **Yellow-shafted Flicker, 2** (2 observers); Red-shafted Flicker, 44; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 3; Ladder-backed Woodpecker, 2; Say's Phoebe, 6; Horned Lark, 234; **Mountain Chickadee, 1** (first count record); Brown Creeper, 2; House Wren, 1; Bewick's Wren, 10; Long-billed Marsh Wren, 4; Rock Wren, 1; Mockingbird, 2; **Curve-billed Thrasher, 1** (present 1 week); **Hermit Thrush, 1**; Ruby-crowned Kinglet, 2; Water Pipit, 420; Loggerhead Shrike, 24; Starling, 21,000; Audubon's Warbler, 25; House Sparrow, 20,200; Western Meadowlark, 810; Redwinged Blackbird, 3200; Brewer's Blackbird, 4123; Brown-headed Cowbird, 9400; mixed blackbirds, 28,000; House Finch, 132; Pine Siskin, 5; Am. Goldfinch, 10; Rufous-sided Towhee, 3; Savannah Sparrow, 28; Sage Sparrow, 5; Slate-colored Junco, 2; Oregon Junco, 44; Gray-headed Junco, 5; Tree Sparrow, 25; White-crowned Sparrow, 1600; Lincoln's Sparrow, 1; Song Sparrow, 70. **Total,** 91 species; about 144,361 individuals.—D. L. Boggs, Larry Boggs, Russell Clapper, Robert Garrett, Bruce K. Harris, Vester Montgomery (compiler), James H. Sikes, Herbert Watson, John White.

521. **Santa Fe, N. Mex.** (all points within a 15-mile diameter circle, center Santa Fe Railway freight depot; urban and suburban 15%, grassland 34%, piñon and juniper 40%, pine and spruce 10%, water 1%).—Dec. 28; 5:30 a.m. to 5:30 p.m. Clear a.m., overcast p.m., snowing evening; temp. 20° to 47°; no wind; water ¾ ice-covered, snow at high altitudes. Ten observers in 4 parties. Total party-hours, 38 (28 on foot, 10 by car); total party-miles, 240 (30 on foot, 210 by car). ► Mallard, 6; Am. Widgeon, 1; Cooper's Hawk, 1; Red-tailed Hawk, 1; Marsh Hawk, 3; Pigeon Hawk, 1; Sparrow Hawk, 3; Scaled Quail, 12; Gambel's Quail, 40; Killdeer, 5; Roadrunner, 1; Red-shafted Flicker, 47; Lewis' Woodpecker, 2; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 5; Downy Woodpecker, 4; Ladder-backed Woodpecker, 2; Horned Lark, 20; Steller's Jay, 5; Scrub Jay, 117; Black-billed Magpie, 52; Common Raven, 183; Piñon Jay, 545; Clark's Nutcracker, 2; Black-capped Chickadee, 4; Mountain Chickadee, 56; Plain Titmouse, 20; Common Bushtit, 39; White-breasted Nuthatch, 4; Red-breasted Nuthatch, 1; Brown Creeper, 2; Mockingbird, 1; Sage Thrasher, 18; Robin, 4431; Hermit Thrush, 1; **Swainson's Thrush, 3** (at bird bath, 5 previous week); Western Bluebird, 206; Mountain Bluebird, 564; Townsend's Solitaire, 177; Ruby-crowned Kinglet, 1; Water Pipit, 4; Cedar Waxwing, 7; Loggerhead Shrike, 2; Starling, 17; Warbling Vireo, 1 [no details—Ed.]; Audubon's Warbler, 22; House Sparrow, 182; Western Meadowlark, 15; Redwinged Blackbird, 450; Evening Grosbeak, 134; Cassin's Finch, 14; House Finch, 521; Pine Siskin, 36; Lesser Goldfinch, 2; Rufous-sided Towhee, 16; Brown Towhee, 31; Slate-colored Junco, 23; Oregon Junco, 1184 (287 Pink-sided); Gray-headed Junco, 330; White-crowned Sparrow, 75 (57 Gambel's); White-throated Sparrow, 2; Song Sparrow, 26. **Total,** 62 species (2 additional races); about 9685 individuals. (Seen in area count period, but not on count day: Goshawk, Sharp-shinned Hawk, Common Snipe, Mourning Dove.)—Octave Duvelliez, Florence Davis, Elizabeth Fuller, Grace Gilkyson, Tidey Hamilton, Mike Hamilton, Doris Miller, Julius Miller, Betty Wiard, Leon Wiard (compiler).

522. **Nampa, Idaho** (all points within a 15-mile diameter circle, center Deer Flat National Wildlife Refuge; sagebrush 10%, plowland 50%, fencerows 20%, brushland 10%, parks 5%, town shrubs 5%).—Dec. 29; 8 a.m. to 5:30 p.m.; temp. 28° to 36°; wind 12 m.p.h. Four observers in 2 parties. Total party-hours, 34 (4 on foot, 30 by car); total party-miles, 95 (5 on foot, 90 by car). ► Western Grebe, 1; Pied-billed Grebe, 2; Great Blue Heron, 13; Canada Goose, 4003; Mallard, 220,003; Pintail, 5000; Green-winged Teal, 1000; Am. Widgeon, 5098; Shoveler, 236; Lesser Scaup, 13; Common Goldeneye, 5006; Oldsquaw, 2; Common Merganser, 2002; Red-breasted Merganser, 4; Red-tailed Hawk, 1; Rough-legged Hawk, 1; Marsh Hawk, 7; Pigeon Hawk, 1; Sparrow Hawk, 8; Bobwhite, 34; Ring-necked Pheasant, 352; Am. Coot, 121; Killdeer, 45; Ring-billed Gull, 211; Mourning Dove, 40; Short-eared Owl, 2; Red-shafted Flicker, 5; Horned Lark, 62; Black-billed Magpie, 110; Common Crow, 1256; Northern Shrike, 2; Starling, 1739; House Sparrow, 3990; Western Meadowlark, 141; Redwinged Blackbird, 226; Brewer's Blackbird, 27; House Finch, 18; Am. Goldfinch, 80; Oregon Junco, 248; White-crowned Sparrow, 211; Song Sparrow, 11. **Total,** 41 species; about 251,332 individuals.—Elsie Allan, Gene Crawford, Mrs. C. C. Hill, Mrs. Hugh E. Shaw (compiler).

523. **Bear River Migratory Bird Refuge, Utah** (all points within a 15-mile diameter circle, from Refuge Headquarters west along canal road, south and east over dikes to Perry, north following highway along foothills to Brigham City, west through fields and over salt flats, touching points along Bear River, and back to headquarters; marsh and ponds 50%, fields and farmlands 25%, open pasture and river banks 25%).—Dec. 22; 8 a.m. to 4:30 p.m. Light overcast with some fog, clearing afternoon; temp. 32° to 40°; no wind; ground bare, ponds partly covered with ice, river and channels free of ice. Four observers in 1 party. Total party-hours, 8½ (1½ on foot, 7 by car); total party-miles, 41 (1 on foot, 40 by car). ► Eared Grebe, 1; Pied-billed Grebe, 12; Great Blue Heron, 50; **Common Egret, 1**; Whistling Swan, 8305; Canada Goose, 457; Mallard, 8100; Gadwall, 75; Pintail, 23,150; Green-winged Teal, 26,600; Cinnamon Teal, 50; Am. Widgeon, 50; Shoveler, 250; Canvasback, 265; Lesser Scaup, 55; Common Goldeneye, 122; Bufflehead, 23; Ruddy Duck, 285; Common Merganser, 3; Red-breasted Merganser, 18; Rough-legged Hawk, 15; Ferruginous Hawk, 2; Golden Eagle, 16; Bald Eagle, 1; Marsh Hawk, 25; Peregrine Falcon, 1; Sparrow Hawk, 1; Ring-necked Pheasant, 101; Am. Coot, 19; Killdeer, 54; Common Snipe, 1; Greater Yellowlegs, 7; Herring Gull, 9; Ring-billed Gull, 324; Short-eared Owl, 6; Red-shafted Flicker, 9; Horned Lark, 38; Black-billed Magpie, 44; Common Raven, 93; Long-billed Marsh Wren, 3; Water Pipit, 19; Bohemian Waxwing, 325; Cedar Waxwing, 75; Loggerhead Shrike, 10; Starling, 1212; Yellowthroat, 1; House Sparrow, 810; Western Meadowlark, 6; Redwinged Blackbird, 253; Brewer's Blackbird, 97; Pine Siskin, 1; Am. Goldfinch, 64; Oregon Junco, 42; White-crowned Sparrow, 50; Song Sparrow, 6. **Total,** 55 species; about 71,612 individuals.—Wayne E. Gueswel, Malcolm McDonald, Vanez Wilson (compiler), Leo Young.

524. **Logan, Utah** (all points within a 15-mile diameter circle, center 5 miles north of Logan on Highway 91; fields and farmlands 40%, canyons and mountains 20%, towns and farmyards 20%, meadows and marshes 20%).—Dec. 31; 7:30 a.m. to 5:30 p.m. Overcast; temp. 23° to 33°; no wind; light covering of snow, ponds frozen. Two observers in 1 party. Total party-hours, 10 (3 on foot, 7 by car); total party-miles, 97 (4 on foot, 93 by car). ► Mallard, 9; Green-winged Teal, 3; Red-tailed Hawk, 9; Rough-legged Hawk, 4; Golden Eagle, 2; Marsh Hawk, 8; Sparrow Hawk, 3; Ring-necked Pheasant, 96; Killdeer, 6; Common Snipe, 6; **Short-eared Owl, 13**; Belted Kingfisher, 1; Red-shafted Flicker, 12;

Downy Woodpecker, 2; Horned Lark, 21; Black-billed Magpie, 167; Common Crow, 63; Black-capped Chickadee, 17; Dipper, 3; Robin, 21; Townsend's Solitaire, 6; **Water Pipit, 63** (3 flocks); Northern Shrike, 3; Starling, **714**; House Sparrow, 438; Western Meadowlark, 56; Redwinged Blackbird, 127; Brewer's Blackbird, 35; Cassin's Finch, 5; House Finch, 35; Pine Siskin, 17; Am. Goldfinch, 49; Oregon Junco, 56; White-crowned Sparrow, 7; Song Sparrow, 4. **Total,** 35 species; about 2081 individuals.—Peggy Follett, Richard F. Follett (compiler).

525. Roosevelt, Utah (all points within a 15-mile diameter circle, center 2½ miles southeast of Roosevelt as in 1952 and subsequent years).—Dec. 29; 7:30 a.m. to 5:30 p.m. Clear; temp. 6° to 41°; no wind; ground bare, only running water open. One observer. Total hours, 10 (3 on foot, 7 by car); total miles, 87 (3 on foot, 84 by car). ► **Am. Bittern, 1** (studied at close range); Mallard, 5; Gadwall, 4; Green-winged Teal, 15; Lesser Scaup, 9; Common Merganser, 2; Cooper's Hawk, 1; Red-tailed Hawk, 3; Ferruginous Hawk, 2; Golden Eagle, 1; Marsh Hawk, 10; Peregrine Falcon, 1; Sparrow Hawk, 4; Ring-necked Pheasant, 126; Killdeer, 3; Common Snipe, 4; Short-eared Owl, 2; Belted Kingfisher, 1; Red-shafted Flicker, 22; Horned Lark, 65; Black-billed Magpie, 125; Common Crow, 368; Piñon Jay, 32; Black-capped Chickadee, 28; Long-billed Marsh Wren, 3; Robin, 3; Water Pipit, 1; Bohemian Waxwing, **780**; Cedar Waxwing, 29; Northern Shrike, 2; Starling, 1561; House Sparrow, 473; Western Meadowlark, 48; Redwinged Blackbird, 596; Brewer's Blackbird, 89; House Finch, 2; Am. Goldfinch, 94; Oregon Junco, 130; Tree Sparrow, 3; White-crowned Sparrow, 64; Song Sparrow, 7. **Total,** 41 species; about 4719 individuals. (Seen in area count period, but not on count day: Prairie Falcon, Virginia Rail.) —Merlin L. Killpack.

526. Imperial National Wildlife Refuge, Ariz.–Calif. (all points within a 15-mile diameter circle, center at Castle Dome Landing, all observations made inside refuge; Ferguson Lake not included in area; brushy willow-cottonwood woodland 14%, open water with cattail-cane edges 36%, mesquite-arrowweed-tamarisk brush bordering water 38%, desert brush 7%, farm area 5%).—Dec. 20; 6:45 a.m. to 5:45 p.m. Clear with much cirrus; temp. 40° to 75°; wind NW, 0-4 m.p.h.; water levels moderately high. Five observers in 2 parties. Total party-hours, 22 (11 on foot, 2 by car, 9 by boat); total party-miles, 46 (9 on foot, 15 by car, 22 by boat). ► Eared Grebe, 7; Western Grebe, 9; Pied-billed Grebe, 17; **Brown Booby, 1** (careful identified, present since Sept. 5); Double-crested Cormorant, **324**; Great Blue Heron, 24; Common Egret, 17; Snowy Egret, 40; Black-crowned Night Heron, 15; Least Bittern, 2; Canada Goose, 251; Mallard, 49; Gadwall, 5; Pintail, 5; Green-winged Teal, 71; Am. Widgeon, 94; Shoveler, 37; Redhead, 10; Ring-necked Duck, 12; Canvasback, 1; Lesser Scaup, 3; Bufflehead, 20; Ruddy Duck, 19; Common Merganser, 2; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 4; Harris' Hawk, 2; Marsh Hawk, 10; Sparrow Hawk, 3; Gambel's Quail, 148; Sora, 4; Common Gallinule, 2; Am. Coot, 5406; Killdeer, 7; Common Snipe, 9; Spotted Sandpiper, 6; Greater Yellowlegs, 1; Least Sandpiper, 208; gull (sp.), 1 (Herring or Western immature); Ring-billed Gull, 164; Mourning Dove, 46; Roadrunner, 2; Belted Kingfisher, 3; Red-shafted Flicker, 6; Gilded Flicker, 2; Gila Woodpecker, 10; Ladder-backed Woodpecker, 6; Black Phoebe, 18; Say's Phoebe, 15; Vermilion Flycatcher, 4; Tree Swallow, 377; Verdin, 14; House Wren, 2; **Bewick's Wren, 1**; Cactus Wren, 2; Long-billed Marsh Wren, 10; Rock Wren, 2; Mockingbird, 6; **Le Conte's Thrasher, 1** (carefully identified); Crissal Thrasher, 3; Hermit Thrush, 7; Blue-gray Gnatcatcher, 8; Black-tailed Gnatcatcher, 5; Ruby-crowned Kinglet, 29; Water Pipit, 42; Phainopepla, 25; Loggerhead Shrike, 12; Audubon's Warbler, 48; Yellowthroat, 8; **Am. Redstart, 2** (1 collected); Western Meadowlark, 93; Redwinged Blackbird, 160; House Finch, 1; Abert's Towhee, 8; Sage Sparrow, 17; White-crowned Sparrow, 29; Lincoln's Sparrow, 1; Song Sparrow, 17. **Total,** 79 species; about 8055 individuals.—Gale Monson.

527. Phoenix, Ariz. (all points within a 15-mile diameter circle, center ¼ mile SE of 91 Ave. and Indian School Rd., including portions of Grand Canal and riverbeds of Salt, New, and Agua Fria Rivers; urban 25%, cotton fields and cropland 24%, grain and pasture fields 12%, citrus 12%, open water and marshes 2%, dry riverbed and creosote-bush desert 25%).—Dec. 21; 6:40 a.m. to 4:20 p.m. Clear with few high, thin clouds; temp. 43° to 72°; wind E, 8-12 m.p.h. Twenty-six observers in 6 parties. Total party-hours, 181 (104 on foot, 77 by car); total party-miles, 1236 (1109 on foot, 127 by car). ► Green Heron, 3; Black-crowned Night Heron, 1; Am. Widgeon, 1; Shoveler, 2; Turkey Vulture, 31; Sharp-shinned Hawk, 2; Cooper's Hawk, 3; Red-tailed Hawk, 8; Swainson's Hawk, 7; Marsh Hawk, 44; Prairie Falcon, 1; Sparrow Hawk, 78; Gambel's Quail, 96; Am. Coot, 101; Killdeer, 185; Common Snipe, 61; Greater Yellowlegs, 20; Least Sandpiper, 190; White-winged Dove, 1; Mourning Dove, 19,077; Ground Dove, 14; Inca Dove, 335; Roadrunner, 35; Barn Owl, 1; Screech Owl, 2; Great Horned Owl, 1; Burrowing Owl, 4; Anna's Hummingbird, 1; Red-shafted Flicker, 88; Gila Woodpecker, 71; Ladder-backed Woodpecker, 6; Ash-throated Flycatcher, 3; **Eastern Phoebe, 1** (collected); Black Phoebe, 22; Say's Phoebe, 30; Vermilion Flycatcher, 14; Verdin, 122; House Wren, 6; Bewick's Wren, 3; Cactus Wren, 35; Rock Wren, 1; Mockingbird, 46; Bendire's Thrasher, 15; Curve-billed Thrasher, 13; Hermit Thrush, 1; Mountain Bluebird, 1; Blue-gray Gnatcatcher, 2; Black-tailed Gnatcatcher, 4; Ruby-crowned Kinglet, 51; Water Pipit, 1093; Loggerhead Shrike, 53; Starling, 900; **Solitary Vireo, 3** (L. D.); Orange-crowned Warbler, 22; **Parula Warbler, 2** (L. D.) [no details—Ed.]; Audubon's Warbler, 870; Black-throated Gray Warbler, 2; Yellowthroat, 3; House Sparrow, 14,006; Western Meadowlark, 529; Yellow-headed Blackbird, 28,687; Redwinged Blackbird, 248,546; Brewer's Blackbird, 233,899; Boat-

tailed Grackle, 5; Brown-headed Cowbird, 20,790; Cardinal, 8; House Finch, 2265; Lesser Goldfinch, 20; Green-tailed Towhee, 20; Rufous-sided Towhee, 5; Brown Towhee, 1; Abert's Towhee, 92; Lark Bunting, 2488; Savannah Sparrow, 49; Vesper Sparrow, 10; Lark Sparrow, 79; Black-throated Sparrow, 1; Oregon Junco, 7; Brewer's Sparrow, 6587; White-crowned Sparrow, 20,999; Lincoln's Sparrow, 13; Song Sparrow, 25. **Total,** 82 species; about 602,919 individuals.—Mary Bonnewell, Bixby Demaree, Mr. and Mrs. Liscum Diven, Hugh Hanson, Thelma Hanson, Mrs. John Hay, Marion J. Hunt, R. Roy Johnson, Arnold Lane, Una E. Miller, Abe S. Margolin (compiler), Dorothy R. Margolin, David R. Margolin, Nancy R. Margolin, Sally O. Margolin, William H. Moffit, William H. Patey, William E. Smith, Jr., Mrs. J. L. Vogel, Keith Warren, James R. Werner (Maricopa Audubon Society).

528. Prescott, Ariz. (all points within a 15-mile diameter circle, center at Gurley and Montezuma Streets; Ponderosa Pine 35%, chaparral 20%, juniper-piñon 15%, open grassland 5%, woodland 10%, lakeshore 5%, suburbs 10%).—Dec. 30; 7:45 a.m. to 5 p.m. Clear; temp. 10° to 45°; no wind; ground clear, water mostly open. Two observers in 1 party. Total party-hours, 9¼ (4 on foot, 5¼ by car); total party-miles, 75 (3 on foot, 72 by car). ► Eared Grebe, 5; Ring-necked Duck, 15; Canvasback, 15; Ruddy Duck, 14; Cooper's Hawk, 1; Red-tailed Hawk, 1; Sparrow Hawk, 2; Gambel's Quail, 4; Am. Coot, 67; Killdeer, 13; Red-shafted Flicker, 10; Acorn Woodpecker, 9; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 1; Ladder-backed Woodpecker, 2; Horned Lark, 4; Steller's Jay, 12; Scrub Jay, 60; Common Raven, 7; Plain Titmouse, 2; Bridled Titmouse, 2; White-breasted Nuthatch, 3; Pigmy Nuthatch, 1; Rock Wren, 1; Western Bluebird, 14; Ruby-crowned Kinglet, 10; Starling, 5; Audubon's Warbler, 1; House Sparrow, 6; Western Meadowlark, 2; Redwinged Blackbird, 214; House Finch, 28; Pine Siskin, 27; Lesser Goldfinch, 10; Rufous-sided Towhee, 11; Brown Towhee, 3; Oregon Junco, 189 (9 Pink-sided); Gray-headed Junco, 150; Chipping Sparrow, 62; White-crowned Sparrow, 396+; **White-throated Sparrow, 1**; Song Sparrow, 6. **Total,** 42 species (1 additional race); about 1390 individuals. (Seen in area count period, but not on count day: House Wren, Brown Creeper.) —Mrs. Olive A. Humphrey, Heidi McLernon (compiler).

529. Santa Catalina Mountains, Ariz. (all points within a 15-mile diameter circle, center on south slope near Sabino Canyon; pine-fir forest 25%, oak foothill canyons 35%, mesquite-streamside thickets 35%, ponds and marshes 5%).—Dec. 20; 7 a.m. to 5:30 p.m.; temp. 37° to 74; wind E, 0-5 m.p.h. Fourteen observers in 5 parties. Total party-hours, 41 (31 on foot, 10 by car); total party-miles, 123 (19 on foot, 104 by car). ► Pied-billed Grebe, 1; Great Blue Heron, 3; Green Heron, 3; Mallard, 11; Gadwall, 1; Pintail, 3; Green-winged Teal, 2; Am. Widgeon, 5; Shoveler, 1; **Wood Duck, 1** (drake); Ring-necked Duck, 16; Lesser Scaup, 2; Ruddy Duck, 1; Cooper's Hawk, 5; Red-tailed Hawk, 12; Pigeon Hawk, 1; Sparrow Hawk, 12; Gambel's Quail, 11; Am. Coot, 78; Killdeer, 23; Common Snipe, 6; **Spotted Sandpiper, 2** (G. G., E. H.); Least Sandpiper, 2; Mourning Dove, 342; Inca Dove, 24; Roadrunner, 4; Great Horned Owl, 1; Belted Kingfisher, 3; Red-shafted Flicker, 57; Gilded Flicker, 23; Gila Woodpecker, 73; Acorn Woodpecker, 2; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 2; Ladder-backed Woodpecker, 8; Arizona Woodpecker, 1; Black Phoebe, 20; Say's Phoebe, 11; Vermilion Flycatcher, 5; Beardless Flycatcher, 1; Steller's Jay, 8; Scrub Jay, 2; Mexican Jay, 16; Common Raven, 6; Clark's Nutcracker, 1; Mountain Chickadee, 12; Bridled Titmouse, 7; Verdin, 26; Common Bushtit, 28; White-breasted Nuthatch, 5; Red-breasted Nuthatch, 1; Pigmy Nuthatch, 21; Brown Creeper, 1; House Wren, 2; **Winter Wren, 1** (studied at 8 ft.); Cactus Wren, 36; Long-billed Marsh Wren, 4; Cañon Wren, 5; Rock Wren, 12; Mockingbird, 10; Curve-billed Thrasher, 36; Hermit Thrush, 3; Western Bluebird, 2; Mountain Bluebird, 3; Blue-gray Gnatcatcher, 11; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 87; Phainopepla, 42; Loggerhead Shrike, 15; Starling, 16; Hutton's Vireo, 2; Solitary Vireo, 1; Audubon's Warbler, 34; Black-throated Gray Warbler, 4; House Sparrow, 126; Western Meadowlark, 149; Redwinged Blackbird, 215; Brewer's Blackbird, 340; Boat-tailed Grackle, 2; Brown-headed Cowbird, 23; Cardinal, 33; Pyrrhuloxia, 5; House Finch, 151; Pine Siskin, 1; Lesser Goldfinch, 10; Green-tailed Towhee, 1; Rufous-sided Towhee, 8; Brown Towhee, 30; Abert's Towhee, 3; Vesper Sparrow, 2; Lark Sparrow, 57; Rufous-crowned Sparrow, 3; Black-throated Sparrow, 73; Oregon Junco, 31; Gray-headed Junco, 12; Mexican Junco, 4; Chipping Sparrow, 1; Brewer's Sparrow, 11; White-crowned Sparrow, 361; **White-throated Sparrow, 1** (R. J., J. D.); Fox Sparrow, 4; Lincoln's Sparrow, 11; Song Sparrow, 18. **Total,** 103 species; about 2928 individuals.—Jack Darnell, Harry Graul, Bertha Graul, Grace Gregg, Effie Henretty, Randolph Jenks, Janett MacNeil, Ivan Peters (compiler), Anna Riley, R. B. Streets, Arthur Sylvester, Florence Thornburg (Tucson Audubon Society).

530. Sierra Pinta, Cabeza Prieta Game Range, Ariz. (all points within a 15-mile diameter circle, center approximately 5 miles NW of Heart Tank; washes at foot of mountains with Ironwood, Palo Verde, Catclaw, Jumping Bean, Elephant Tree, Chuparosa, etc. 70%, open Creosotebush desert 30%). —Dec. 30; 6:30 a.m. to 6 p.m. Clear; temp. 55° to 70°; wind various directions, gusty, 0-25 m.p.h.; vegetation in good condition on Tule Desert, otherwise in dry to very dry condition; Heart Tank nearly full. Three observers in 1 party. Total party-hours, 11½ (9½ on foot, 2 by car); total party-miles, 29 (7 on foot, 22 by car). ► Marsh Hawk, 1; Sparrow Hawk, 5; Gambel's Quail, 2; Costa's Hummingbird, 5; Gilded Flicker, 3; Gila Woodpecker, 5; Ladder-backed Woodpecker, 2; Ash-throated Flycatcher, 7; Say's Phoebe, 11; Common Raven, 2; Verdin, 12; Cactus Wren, 4; Rock Wren, 9; Mockingbird, 1; Le Conte's Thrasher, 2; Black-tailed Gnatcatcher, 4;

Ruby-crowned Kinglet, 8; **Sprague's Pipit, 1** (collected); Phainopepla, 17; Loggerhead Shrike, 7; Gray Vireo, 2; Audubon's Warbler, 49; Western Meadowlark, 11; House Finch, 19; Green-tailed Towhee, 2; Vesper Sparrow, 6; Black-throated Sparrow, 8; Sage Sparrow, 74; Brewer's Sparrow, 73; White-crowned Sparrow, 6. **Total,** 30 species; 358 individuals.—Mr. and Mrs. L. Hilton, Gale Monson (compiler).

531. Tucson, Ariz. (all points within a 15-mile diameter circle, center at west 36th St. and Freeway as in previous years; cultivated farms 60%, cottonwood-mesquite 16%, ponds and lakes 8%, hedgerows and thickets 16%).—Dec. 27; 7:30 a.m. to 5:30 p.m.; temp. 32° to 68°; wind W, 0-5 m.p.h. Twelve observers in 4 parties. Total party-hours, 33 (23 on foot, 10 by car); total party-miles, 53 (11 on foot, 42 by car). ► Pied-billed Grebe, 1; Green Heron, 2; Shoveler, 1; Redhead, 3; Canvasback, 1; Black Vulture, 5; Cooper's Hawk, 2; Red-tailed Hawk, 5; Marsh Hawk, 1; Sparrow Hawk, 14; Gambel's Quail, 133; Killdeer, 8; Common Snipe, 11; Mourning Dove, 377; Ground Dove, 2; Inca Dove, 72; Roadrunner, 9; Red-shafted Flicker, 16; Gilded Flicker, 8; Gila Woodpecker, 25; Ladder-backed Woodpecker, 3; Black Phoebe, 3; Say's Phoebe, 12; Vermilion Flycatcher, 3; Scrub Jay, 1; Common Raven, 3; Verdin, 11; White-breasted Nuthatch, 1; House Wren, 8; Cactus Wren, 7; Cañon Wren, 2; Rock Wren, 1; Mockingbird, 10; Bendire's Thrasher, 6; Curve-billed Thrasher, 26; Hermit Thrush, 2; Blue-gray Gnatcatcher, 2; Ruby-crowned Kinglet, 21; Water Pipit, 54; Phainopepla, 1; Loggerhead Shrike, 23; Starling, 17; Orange-crowned Warbler, 2; Audubon's Warbler, 17; House Sparrow, 376; Western Meadowlark, 93; Yellow-headed Blackbird, 730; Redwinged Blackbird, 600; Brewer's Blackbird, 257; Boat-tailed Grackle, 3; Brown-headed Cowbird, 401; Cardinal, 26; Pyrrhuloxia, 29; **Lazuli Bunting, 1**; House Finch, 250; Lesser Goldfinch, 13; Green-tailed Towhee, 3; Brown Towhee, 7; Abert's Towhee, 3; Lark Bunting, 51; Savannah Sparrow, 1; **Baird's Sparrow, 2**; Vesper Sparrow, 2; Lark Sparrow, 47; Rufous-crowned Sparrow, 1; **Sage Sparrow, 2**; Chipping Sparrow, 7; Brewer's Sparrow, 5; White-crowned Sparrow, 503; Lincoln's Sparrow, 2; Song Sparrow, 3. **Total,** 71 species; about 4360 individuals.—Ann Condit, Marjorie Condit, Clifford Fiscus, Ivan Peters (compiler), Florence Thornburg (Tucson Audubon Society).

532. Reno, Nev. (all points within a 15-mile diameter circle, center at Holcomb Lane and South Virginia St.; elevation 4400-6200 ft.; marshy pasture and hot springs to pine-covered canyons).—Dec. 25; 7 a.m. to 4:30 p.m. Scattered clouds; temp. 24° to 55°; variable breezes. Two observers in 1 party. Total party-hours, 9½ (3 on foot, 6½ by car); total party-miles, 73 (4 on foot, 69 by car). ► Eared Grebe, 2; Pied-billed Grebe, 2; Great Blue Heron, 7; Canada Goose, 308; White-fronted Goose, 1; Snow Goose, 1; Mallard, 1076; Gadwall, 97; Pintail, 52; Green-winged Teal, 302; Cinnamon Teal, 2; Am. Widgeon, 472; Redhead, 26; Ring-necked Duck, 9; Canvasback, 2; Lesser Scaup, 63; Ruddy Duck, 9; Cooper's Hawk, 1; Red-tailed Hawk, 10; Swainson's Hawk, 4 [no details—Ed.]; Marsh Hawk, 5; Sparrow Hawk, 8; California Quail, 161; Ring-necked Pheasant, 36; **Sandhill Crane, 3**; Am. Coot, 157; Killdeer, 28; California Gull, 20; Ring-billed Gull, 7; Barn Owl, 1; Screech Owl, 1; Short-eared Owl, 5; Belted Kingfisher, 3; Red-shafted Flicker, 12; Yellow-bellied Sapsucker, 2; Downy Woodpecker, 1; **Horned Lark, 76**; Steller's Jay, 5; Black-billed Magpie, 35; Clark's Nutcracker, 4; Mountain Chickadee, 6; Brown Creeper, 3; Dipper, 2; House Wren, 1; Bewick's Wren, 3; Long-billed Marsh Wren, 1; Golden-crowned Kinglet, 21; Ruby-crowned Kinglet, 3; Starling, 700+; Audubon's Warbler, 14; House Sparrow, 87; Western Meadowlark, 3; Brewer's Blackbird, 150; Purple Finch, 19; House Finch, 32; Oregon Junco, 25; White-crowned Sparrow, 97; Song Sparrow, 4. **Total,** 58 species; about 4187 individuals. (Seen in area count period, but not on count day: Shoveler, Fox Sparrow.)—R. W. Brann (compiler), Sally H. Brann.

533. Harper, Wash. (all points within a 15-mile diameter circle, center on Fragaria Road 1 mile west of Banner Road, including Southworth, Harper, Fragaria, Vashon Island).—Dec. 21; 9 a.m. to 5 p.m. Rain first hour, then sunny; temp. 44° to 51°; no wind; ground bare, water open. Six observers in 2 parties. Total party-hours, 16 (4 on foot, 12 by car and ferry); total party-miles, 101 (12 on foot, 80 by car, 9 by ferry). ► Common Loon, 3; Red-necked Grebe, 2; Horned Grebe, 16; Eared Grebe, 1; Western Grebe, 177; Brandt's Cormorant, 1; Great Blue Heron, 1; Am. Widgeon, 175; Greater Scaup, 230; Common Goldeneye, 94; Bufflehead, 12; Harlequin Duck, 3; White-winged Scoter, 108; Surf Scoter, 128; Hooded Merganser, 1; Red-breasted Merganser, 4; Ring-necked Pheasant, 6; Am. Coot, 43; Killdeer, 3; Sanderling, 58; Glaucous-winged Gull, 48; Herring Gull, 3; Mew Gull, 2; Common Murre, 11; Pigeon Guillemot, 1; Belted Kingfisher, 6; Red-shafted Flicker, 8; Downy Woodpecker, 3; Steller's Jay, 3; Northwestern Crow, 21; Black-capped Chickadee, 4; Chestnut-backed Chickadee, 1; Common Bushtit, 20; Winter Wren, 9; Bewick's Wren, 2; Robin, 311; Varied Thrush, 50; Golden-crowned Kinglet, 17; Purple Finch, 18; House Finch, 2; Pine Siskin, 127; Am. Goldfinch, 45; Red Crossbill, 1; Rufous-sided Towhee, 15; Oregon Junco, 264; Golden-crowned Sparrow, 13; Fox Sparrow, 4; Song Sparrow, 25. **Total,** 48 species; about 2100 individuals.—Johnie Boggs, Robert Boggs, Russel Boggs, Violet E. Cannon (compiler), Walter Hagenstein, Doris Jelliffe.

534. Orcas and Coon Islands, Wash. (all points within a 15-mile diameter circle, center Orcas Island, east to Deer Harbor).—Dec. 27; 8 a.m. to 4 p.m. Cloudy; temp. 40° to 49°; wind 20-35 m.p.h. Five observers in ? parties. Total party-hours, 32; total party-miles, 20 (? on foot, ? by car). ► Common Loon, 123; Arctic Loon, 24; Red-throated Loon, 6; Red-necked Grebe, 14; Horned Grebe, 41; Eared Grebe, 27; Western Grebe, 56; Double-crested Cormorant,

10; Brandt's Cormorant, 11; Pelagic Cormorant, 5; Great Blue Heron, 2; Mallard, 15; Pintail, 1; Green-winged Teal, 3; Am. Widgeon, 91; Greater Scaup, 41; Common Goldeneye, 59; Bufflehead, 106; Oldsquaw, 8; Harlequin Duck, 20; White-winged Scoter, 97; Surf Scoter, 10; Common Scoter, 139; Hooded Merganser, 35; Common Merganser, 43; Red-breasted Merganser, 38; Bald Eagle, 3; California Quail, 32; Ring-necked Pheasant, 2; Am. Coot, 1; Black-bellied Plover, 1; plover (sp.), 1; Black Turnstone, 42; Glaucous-winged Gull, 107; Herring Gull, 40; Mew Gull, 14; Common Murre, 1; Pigeon Guillemot, 4; Marbled Murrelet, 18; waterbirds (sp.), 2000; Screech Owl, 1; Belted Kingfisher, 5; Red-shafted Flicker, 12; Pileated Woodpecker, 3; Hairy Woodpecker, 2; Downy Woodpecker, 1; Common Crow, 100; Chestnut-backed Chickadee, 38; Common Bushtit, 100; Red-breasted Nuthatch, 4; Brown Creeper, 4; Winter Wren, 10; Bewick's Wren, 2; Robin, 15; Varied Thrush, 53; Golden-crowned Kinglet, 35; Ruby-crowned Kinglet, 2; House Sparrow, 50; Redwinged Blackbird, 20; Purple Finch, 6; Rufous-sided Towhee, 82; Oregon Junco, 387; Fox Sparrow, 11; Song Sparrow, 24. **Total,** 62 species; about 4255 individuals. [Least Grebe, 23; King Eider, 1; Red-cockaded Woodpecker, 2; reported without details removed from list—Ed.]—C. J. Colmery, H. F. Furrow, Mrs. Karl P. Moran (compiler), Mr. and Mrs. Jack Tussler.

535. Seattle, Wash. (all points within a 15-mile diameter circle, center at First Avenue and Yesler Way, including all metropolitan Seattle east to Bellevue; mixed woodland 25%, mixed woods and brush 8%, parks, cemeteries and residential 10%, marsh 7%, streams and lakes 25%, salt waterfront 25%).—Dec. 28; 7:30 a.m. to 4:30 p.m. Light to heavy rain; temp. 42° to 50°; wind SW, 0-15 m.p.h. Thirty-two observers in 18 parties. Total party-hours, 86 (48 on foot, 38 by car); total party-miles, 187 (48 on foot, 139 by car). ► Common Loon, 1; Red-throated Loon, 2; Red-necked Grebe, 14; Horned Grebe, 57; Eared Grebe, 9; Western Grebe, 455; Pied-billed Grebe, 27; Double-crested Cormorant, 24; Pelagic Cormorant, 4; Great Blue Heron, 28; Am. Bittern, 2; Canada Goose, 52; White-fronted Goose, 4; Mallard, 1788; Gadwall, 25; Pintail, 153; Green-winged Teal, 136; Am. Widgeon, 1536; Shoveler, 89; Canvasback, 28; Greater Scaup, 2342; Lesser Scaup, 731; Common Goldeneye, 151; Bufflehead, 143; White-winged Scoter, 63; Surf Scoter, 71; Ruddy Duck, 814; Hooded Merganser, 2; Common Merganser, 43; Red-breasted Merganser, 87; Sharp-shinned Hawk, 3; Red-tailed Hawk, 4; Pigeon Hawk, 1; Sparrow Hawk, 1; Ruffed Grouse, 1; California Quail, 136; Ring-necked Pheasant, 25; Am. Coot, 3111; Killdeer, 9; Common Snipe, 9; Dunlin, 25; Sanderling, 28; Glaucous-winged Gull, 5114; Western Gull, 7; Herring Gull, 55; California Gull, 12; Ring-billed Gull, 180; Mew Gull, 3789; Bonaparte's Gull, 108; Cassin's Auklet, 2; Rhinoceros Auklet, 27; Band-tailed Pigeon, 59; Mourning Dove, 2; Short-eared Owl, 4; Belted Kingfisher, 4; Red-shafted Flicker, 74; Pileated Woodpecker, 1; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 1; Downy Woodpecker, 10; Steller's Jay, 47; Northwestern Crow, 436; Black-capped Chickadee, 263; Chestnut-backed Chickadee, 88; Common Bushtit, 117; Brown Creeper, 21; Winter Wren, 38; Bewick's Wren, 35; Long-billed Marsh Wren, 13; Robin, 5510; Varied Thrush, 144; Hermit Thrush, 1; Townsend's Solitaire, 2; Golden-crowned Kinglet, 196; Ruby-crowned Kinglet, 42; Cedar Waxwing, 8; Northern Shrike, 4; Starling, 14; Hutton's Vireo, 1; Audubon's Warbler, 21; Townsend's Warbler, 1; House Sparrow, 579; Western Meadowlark, 12; Red-winged Blackbird, 329; Brewer's Blackbird, 1233; Evening Grosbeak, 6; Purple Finch, 56; House Finch, 92; Pine Siskin, 3147; Am. Goldfinch, 55; Rufous-sided Towhee, 130; Slate-colored Junco, 2; Oregon Junco, 454; Tree Sparrow, 5; White-crowned Sparrow, 5; Golden-crowned Sparrow, 34; Fox Sparrow, 29; Song Sparrow, 791. **Total,** 98 species; about 35,645 individuals. (Seen in area count period, but not on count day: Screech Owl, Yellow-shafted Flicker.)—Marjorie Baird, Mrs. W. Beatty, Mr. and Mrs. Ward Beecher, Bob, Elsie, John, Russell and Linnet Boggs, Violet E. Cannon, David Clark, Kenneth Clark, Mrs. J. I. Colwell, Dennis DeCourcey, Isobel Guthrie, Walter Hagenstein, Mrs. Neil Haig, Dr. and Mrs. Holyoke, Doris Jelliffe, Warren Jones, Harold Kephart, Dr. and Mrs. Leversee, Ruth Partridge, Ebba Peterson, Webster Ransome, Bertha Schuler, Zella Schultz (compiler), Jean Seaton, Wallace Swanson, Irene Urquhart.

536. Spokane, Wash. (all points within a 15-mile diameter circle, center at Division and Francis as in previous counts; lawns, parks and cemeteries 37%, rivers bordered with brush and coniferous woods 52%, irrigated tracts and open fields 11%).—Dec. 27; 7 a.m. to 4 p.m. Cloudy, scattered light showers; temp. 40° to 36°; wind ENE, 5-10 m.p.h.; scattered patches of old snow. Twenty-four observers in 11 parties. Total party-hours, 89 (41 on foot, 48 by car); total party-miles, 400 (46 on foot, 354 by car). ► Pied-billed Grebe, 8; Great Blue Heron, 29; Canada Goose, 105; Mallard, 2250; Gadwall, **15**; Pintail, 14; Green-winged Teal, **134**; Am. Widgeon, **250**; **Shoveler, 2**; Redhead, 3; Ring-necked Duck, 390; Common Goldeneye, 135; **Barrow's Goldeneye, 6**; Bufflehead, 2; Hooded Merganser, 6; Common Merganser, 5; Sharp-shinned Hawk, 4; Cooper's Hawk, 1; Red-tailed Hawk, 3; Pigeon Hawk, 2; Ruffed Grouse, **33**; California Quail, **361**; Ring-necked Pheasant, 173; Gray Partridge, 21; Am. Coot, 108; Common Snipe, 8; Ring-billed Gull, 19; **Screech Owl, 1**; Great Horned Owl, 5; Belted Kingfisher, 3; Red-shafted Flicker, 70; Pileated Woodpecker, 2; Hairy Woodpecker, 4; Downy Woodpecker, 17; **Horned Lark, 6**; Black-billed Magpie, 112; Common Crow, 11; Clark's Nutcracker, 12; Black-capped Chickadee, 177; Mountain Chickadee, 61; White-breasted Nuthatch, 10; Red-breasted Nuthatch, **106**; Pigmy Nuthatch, 273; Brown Creeper, 6; Dipper, 4; Winter Wren, 6; Cañon Wren, 5; Robin, 26; Varied Thrush, 8; Townsend's Solitaire, 3; Golden-crowned Kinglet, 253; **Ruby-crowned Kinglet, 2** (at 10 ft.); Bohemian Waxwing, **7500** (very conservative); Northern Shrike, 8; Starling, 56; House Sparrow,

852; **Western Meadowlark, 5**; **Redwinged Blackbird, 36**; **Brewer's Blackbird, 4** (carefully identified); Evening Grosbeak, 13; **Cassin's Finch, 1**; House Finch, 105; Red Crossbill, **396**; **Rufous-sided Towhee, 1**; Slate-colored Junco, 6; Oregon Junco, 713; **Tree Sparrow, 1** (seen well); Song Sparrow, 121. **Total,** 68 species; about 15,088 individuals. (Seen in area count period, but not on count day: Canvasback, Lesser Scaup, Sparrow Hawk, Killdeer, Mourning Dove, Am. Goldfinch.)—James Acton, Verna Adams, Jerry Bloom, Dave Brown, Mattie Burke, Amelia Burns, Mr. and Mrs. Archie Clough, Tom Groh, Mr. and Mrs. M. C. Haggin, Warren Hall (compiler), LeRoy Hook, Irene Hunt, Lynn LaFave, Anne Merager, Mrs. Frank Mogan, Mrs. A. C. Rettig, Tom Rogers, Mr. and Mrs. S. O. Stanley, Ted Turner, Christine Unbewust, Alma Walker.

537. Baker, Ore. (all points within a 15-mile diameter circle, center 5 miles north of Baker; 3300-4000 ft.; lawns, parks, cemeteries 10%, evergreen foothills 15%, cultivated fields and pastures 35%, woods and shrubs along river 20%, sagebrush 20%). —Dec. 28; 7 a.m. to 4:30 p.m. Mostly cloudy; temp. 25° to 35°; wind NW, 0-3 m.p.h.; 0-6-in. snow, ponds frozen, streams open. Nine observers in 7 parties. Total party-hours, 37 (21 on foot, 16 by car); total party-miles, 196 (17 on foot, 179 by car). ► Mallard, 10; Red-tailed Hawk, 4; Marsh Hawk, 5; Sparrow Hawk, 4; California Quail, 9; Ring-necked Pheasant, 119; Killdeer, 16; Mourning Dove, 2; Short-eared Owl, 2; Belted Kingfisher, 2; Red-shafted Flicker, 11; Downy Woodpecker, 6; Black-billed Magpie, 212; Black-capped Chickadee, 23; Mountain Chickadee, 3; Red-breasted Nuthatch, 6; Brown Creeper, 2; Golden-crowned Kinglet, 28; Bohemian Waxwing, 60; Northern Shrike, 3; Starling, 604; House Sparrow, 948; **Redwinged Blackbird, 40**; Brewer's Blackbird, **248**; Evening Grosbeak, 61; Cassin's Finch, 150; House Finch, 142; Am. Goldfinch, 37; Slate-colored Junco, 1; Oregon Junco, 345; **Tree Sparrow, 15** (all field marks); Song Sparrow, 56. **Total,** 32 species; about 3174 individuals. (Seen in area count period, but not on count day: Green-winged Teal, Goshawk, Golden Eagle, Prairie Falcon, Sage Grouse, Mountain Quail, Hairy Woodpecker, Common Raven, Dipper, Townsend's Solitaire.)—Margaret Anderson, Philo Anderson, Gertrude Inman, Roger Inman, Peggy Satterberg, Ava Steiger, Rives Waller, Ann Ward (compiler), Gaylord Ward.

538. Eugene, Ore. (all points within a 15-mile diameter circle, center near Danebo Church, including Fern Ridge Reservoir, Springfield and Eugene as in former years; meadows 20%, orchards and fields 20%, suburban 10%, evergreen forests 20%, mixed woods 20%, open water 10%).—Dec. 28; 7:30 a.m. to 4:30 p.m. Cloudy, rain after 2 p.m.; temp. 37° to 50°; wind S to SW, 7-12 m.p.h.; no snow or ice, visibility poor. Thirty-eight observers in 10 parties. Total party-hours, 60 (32 on foot, 26 by car, 2 at home feeders); total party-miles, 290 (38 on foot, 252 by car). ► Common Loon, 1; Arctic Loon, 4; Eared Grebe, 7; Western Grebe, 11; Pied-billed Grebe, 9; Great Blue Heron, 16; Whistling Swan, 2; Canada Goose, 394; Snow Goose, 1; goose (sp.), 1000; Mallard, 86; Gadwall, 161; Pintail, 183; Green-winged Teal, 21; Am. Widgeon, 140; Shoveler, 18; Wood Duck, 7; Ring-necked Duck, 23; Lesser Scaup, 14; Common Merganser, 3; duck (sp.), 2000; Cooper's Hawk, 8; Red-tailed Hawk, 17; **Rough-legged Hawk, 2** (rechecked next day); Marsh Hawk, 3; Sparrow Hawk, 28; Ring-necked Pheasant, 42; Am. Coot, 107; Killdeer, 1853; Common Snipe, 16; Least Sandpiper, 8; Glaucous-winged Gull, 2; **Herring Gull, 1**; California Gull, 2; Ring-billed Gull, 34; **Mew Gull, 1**; Bonaparte's Gull, 12; Mourning Dove, 61; Barn Owl, 1; Screech Owl, 1; Short-eared Owl, **12**; Belted Kingfisher, 7; Red-shafted Flicker, 234; Acorn Woodpecker, 119; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 8; Downy Woodpecker, 13; Steller's Jay, 101; Scrub Jay, 126; Common Raven, 4; Common Crow, 727; Black-capped Chickadee, 222; Chestnut-backed Chickadee, 10; Common Bushtit, **259**; White-breasted Nuthatch, 19; Red-breasted Nuthatch, 4; Brown Creeper, 24; Winter Wren, 19; Bewick's Wren, 36; Long-billed Marsh Wren, 2; Robin, 342; Varied Thrush, 356; Hermit Thrush, 2; Western Bluebird, 38; Golden-crowned Kinglet, **356**; Ruby-crowned Kinglet, **136**; Water Pipit, 347; Cedar Waxwing, 5; Loggerhead Shrike, 3; Starling, 3736; Myrtle Warbler, 27; Audubon's Warbler, 56; House Sparrow, 418; Western Meadowlark, 136; Redwinged Blackbird, 755; Brewer's Blackbird, 3226; Brown-headed Cowbird, 20; Evening Grosbeak, 36; Purple Finch, 61; House Finch, 41; Pine Siskin, 18; Lesser Goldfinch, 20; Red Crossbill, 5; Rufous-sided Towhee, 167; Savannah Sparrow, 4; Vesper Sparrow, 3; Slate-colored Junco, 2; Oregon Junco, 1389; White-crowned Sparrow, 67; Golden-crowned Sparrow, 156; **White-throated Sparrow, 3** (frequenting feeder); Fox Sparrow, 36; Song Sparrow, 181. **Total,** 91 species; about 20,399 individuals. (Seen in area count period, but not on count day: Canvasback, Black-legged Kittiwake, Horned Lark, Townsend's Warbler.)—Bob Bayly, John Bodley, Rose Crutchley, Clarence Comfort, Glee Comfort, Lawrence Daggett, Catherine Dunlop, Victor Favier, LeRoy Fish, Irene G. Flynn, Ronald Flynn, Richard Flynn, Cliff Gregor, Helen Kilpatrick, Larry L. Leas, Eric Lindgren, Margaret Markley, Frances Newsom, D. E. Payne, Ben Pruitt (compiler), Hal Pruitt, Gordon Quimby, Maye Sparmblek, A. Ray Wiseman, Joe Wiseman.

539. Fort Klamath, Ore. (all points within a 15-mile diameter circle, center at Wood River Bridge; open fields 70%, marshland 5%, pine and fir forests 10%, lake and river 13%, residential 2%).—Dec. 30; 8:15 a.m. to 5 p.m. Foggy; temp. 32° to 40°; no wind; little snow, rivers and ponds open. Three observers in 1 party. Total party-hours, 8¾ (4 on foot, 4¾ by car); total party-miles, 86 (6 on foot, 80 by car). ► Pied-billed Grebe, 1; Great Blue Heron, 2; **Whistling Swan, 2**; Mallard, 13; Green-winged Teal, 1; Am. Widgeon, 1; Lesser Scaup, 1; Barrow's Goldeneye, 4; Bufflehead, 7; Red-tailed Hawk, 13;

Rough-legged Hawk, 18; Bald Eagle, 2; Marsh Hawk, 3; Sparrow Hawk, 3; Am. Coot, 31; Killdeer, 1; Common Snipe, 2; Great Horned Owl, 1; Great Gray Owl, 1; **Short-eared Owl, 2**; Belted Kingfisher, 3; Red-shafted Flicker, 2; Hairy Woodpecker, 2; Steller's Jay, 2; Black-billed Magpie, 65; Mountain Chickadee, 69; White-breasted Nuthatch, 51; Red-breasted Nuthatch, 78; Brown Creeper, 24; Dipper, 7; Winter Wren, 1; Long-billed Marsh Wren, 2; Golden-crowned Kinglet, 21; Starling, 3; House Sparrow, 6; Oregon Junco, 19; Song Sparrow, 4. **Total,** 37 species; about 468 individuals. (Seen in area count period, but not on count day: Canada Goose, Goshawk, Raven, Chestnut-backed Chickadee, Fox Sparrow.)—Mrs. May Gray, Mrs. Nina Price, Mrs. Anna Strahan (compiler).

540. Malheur National Wildlife Refuge, Ore. (all points within a 15-mile diameter circle, center on Blitzen River ½ mile north of Five Mile Rd. to include southern portion of refuge; dry hay meadows 50%, willow 20%, juniper and sagebrush uplands 5%, ponds and lakes 20%, canals and streams 5%). —Dec. 30; 7:30 a.m. to 4:45 p.m. Cloudy; temp. 30° to 45°; wind 0-2 m.p.h.; water areas open, ground bare. Two observers in 1 party. Total party-hours, 9 (4 on foot, 5 by car); total party-miles, 68 (3 on foot, 65 by car). ► Great Blue Heron, 13; Black-crowned Night Heron, 6; Whistling Swan, 107; Canada Goose, 618; Mallard, 445; Gadwall, 48; Pintail, 191; Green-winged Teal, 101; Am. Widgeon, 450; Shoveler, 69; Redhead, 2; Canvasback, 6; Lesser Scaup, 37; Common Goldeneye, 58; Bufflehead, 61; Ruddy Duck, 63; Hooded Merganser, 24; Common Merganser, 110; Sharp-shinned Hawk, 1; Red-tailed Hawk, 2; Rough-legged Hawk, 37; Bald Eagle, 2; Marsh Hawk, 24; Prairie Falcon, 1; Sparrow Hawk, 1; California Quail, 272; Ring-necked Pheasant, 134; Am. Coot, 1230; Killdeer, 1; Great Horned Owl, 3; Short-eared Owl, 18; Belted Kingfisher, 5; Red-shafted Flicker, 34; Downy Woodpecker, 1; Black-billed Magpie, 201; Common Raven, 62; Common Bushtit, 30; Dipper, 2; Long-billed Marsh Wren, 12; Cañon Wren, 5; Robin, 541; Townsend's Solitaire, 18; Golden-crowned Kinglet, 13; Ruby-crowned Kinglet, 1; Northern Shrike, 4; Loggerhead Shrike, 1; Starling, 25; **Audubon's Warbler, 2**; House Sparrow, 10; Brewer's Blackbird, 60; Oregon Junco, 67; Tree Sparrow, 4; Song Sparrow, 23. **Total,** 53 species; about 5256 individuals.—Leon Littlefield, David B. Marshall (compiler).

541. Medford, Ore. (all points within a 15-mile diameter circle, center 2 miles south of Camp White; brushy hillsides 15%, mixed woodland 20%, residential 15%, farmland 30%, ponds and streams 20%).—Dec. 30; 7:15 a.m. to 4:30 p.m. Cloudy; temp. 43° to 48°; wind calm to light NW. Fourteen observers in 6 parties. Total party-hours, 49 (10 on foot, 39 by car); total party-miles, 300 (15 on foot, 285 by car). ► Eared Grebe, 3; Western Grebe, 1; Pied-billed Grebe, 15; Great Blue Heron, 10; **Common Egret,** 1 (J. R.); Black-crowned Night Heron, 9; Canada Goose, 7 (3 Cackling); Snow Goose, 1; Mallard, 67; Pintail, 3; Green-winged Teal, 7; Am. Widgeon, 37; Shoveler, 6; Wood Duck, 1; Redhead, 2; Ring-necked Duck, 42; Lesser Scaup, 3; Bufflehead, 10; Ruddy Duck, 22; Common Merganser, 10; Cooper's Hawk, 2; Red-tailed Hawk, 26; Marsh Hawk, 3; Sparrow Hawk, 73; California Quail, 84; Ring-necked Pheasant, 27; Am. Coot, 347; Killdeer, 267; Common Snipe, 15; **Spotted Sandpiper, 1** (seen well); **Greater Yellowlegs, 1**; Mourning Dove, 1008; Burrowing Owl, 3; Belted Kingfisher, 3; Red-shafted Flicker, 74; Acorn Woodpecker, 60; Lewis' Woodpecker, 4; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 1; Downy Woodpecker, 8; Say's Phoebe, 1; Horned Lark, 5; Steller's Jay, 5; Scrub Jay, 50; Black-capped Chickadee, 15; Plain Titmouse, 18; Common Bushtit, 30; White-breasted Nuthatch, 10; **Pigmy Nuthatch, 1** (carefully identified—M. M.); Brown Creeper, 8; Winter Wren, 1; Bewick's Wren, 9; Long-billed Marsh Wren, 1; Robin, 1261; Varied Thrush, 1; Hermit Thrush, 4; Western Bluebird, 248; Golden-crowned Kinglet, 45; Ruby-crowned Kinglet, 13; Cedar Waxwing, 557; Loggerhead Shrike, 1; Starling, 3758; Myrtle Warbler, 4; Audubon's Warbler, 1; House Sparrow, 199; Western Meadowlark, 570; Redwinged Blackbird, 1540; Tricolored Blackbird, 337; Brewer's Blackbird, 1805; Brown-headed Cowbird, 135; Purple Finch, 104; House Finch, 682; Pine Siskin, 206; Am. Goldfinch, 360; Lesser Goldfinch, 679; Rufous-sided Towhee, 26; Brown Towhee, 11; Savannah Sparrow, 130; Lark Sparrow, 12; Oregon Junco, 1013; White-crowned Sparrow, 49; Golden-crowned Sparrow, 318; Fox Sparrow, 8; Song Sparrow, 51. **Total,** 84 species (1 additional race); about 16,550 individuals. (Seen in area count period, but not on count day: Whistling Swan, Golden Eagle, Prairie Falcon.)—Ralph Browning, Mrs. Howard Bush, Gen. and Mrs. J. H. Hicks, Betty Jo Hicks, Mrs. Robert Hubbard, Mr. and Mrs. Thomas McCamant (compiler), Mable Moore, Dr. and Mrs. John Reynolds, Mr. and Mrs. Carl Richardson, Tom Turpin.

542. Portland, Ore. (all points within a 15-mile diameter circle, center on Willamette Base Line 1½ miles east of Willamette Meridian as in 1938 and subsequent years; brushy woodland 25%, lakes, rivers, sloughs 20%, farmlands 25%, residential 30%).—Dec. 28; 8 a.m. to 4:30 p.m. Cloudy with light showers; temp. 42° to 48°; wind ESE, 8 m.p.h.; water open, ground clear. Seventy-one observers in 18 parties. Total party-hours, 142 (79 on foot, 63 by car); total party-miles, 625 (89 on foot, 536 by car). ► Western Grebe, 1; Pied-billed Grebe, 41; Double-crested Cormorant, 42; Great Blue Heron, 11; Green Heron, 5; Black-crowned Night Heron, 1; Canada Goose, 171; White-fronted Goose, 2; Snow Goose, 2; Mallard, 1289; Gadwall, 11; Pintail, 265; Green-winged Teal, 94; Blue-winged Teal, 1; European Widgeon, 1; Am. Widgeon, 4558; Shoveler, 88; Ring-necked Duck, 24; Lesser Scaup, 1; Common Goldeneye, 1; Bufflehead, 51; Ruddy Duck, 34; Common Merganser, 235; Sharp-shinned Hawk, 3; Cooper's Hawk, 17; Red-tailed Hawk, 18; Marsh Hawk, 1; Sparrow Hawk, 42; Ruffed Grouse, 1; Bob-

white, 12; California Quail, 18; Ring-necked Pheasant, 129; Am. Coot, 1365; Killdeer, 119; Common Snipe, 6; Western Sandpiper, 3; Glaucous-winged Gull, 3518; Western Gull, 182; Herring Gull, 570; California Gull, 238; Ring-billed Gull, 12; Mew Gull, 355; Band-tailed Pigeon, 18; Mourning Dove, 24; Short-eared Owl, 1; Belted Kingfisher, 8; Red-shafted Flicker, 254; Pileated Woodpecker, 3; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 7; Downy Woodpecker, 44; Steller's Jay, 71; Scrub Jay, 20; Common Crow, 250; Black-capped Chickadee, 391; Chestnut-backed Chickadee, 102; Common Bushtit, 58; White-breasted Nuthatch, 16; Red-breasted Nuthatch, 7; Brown Creeper, 35; House Wren, 2; Winter Wren, 25; Bewick's Wren, 29; Robin, 51,116; Varied Thrush, 294; Hermit Thrush, 6; Western Bluebird, 8; Golden-crowned Kinglet, 256; Ruby-crowned Kinglet, 40; Cedar Waxwing, 130; Northern Shrike, 4; Starling, 50,770; Orange-crowned Warbler, 1; Myrtle Warbler, 1; Audubon's Warbler, 35; Townsend's Warbler, 1; House Sparrow, 3621; Western Meadowlark, 46; Redwinged Blackbird, 181; Brewer's Blackbird, 3381; Evening Grosbeak, 8; Purple Finch, 82; House Finch, 377; Pine Siskin, 190; Am. Goldfinch, 47; Lesser Goldfinch, 1; Rufous-sided Towhee, 127; Oregon Junco, 2628; White-crowned Sparrow, 28; Golden-crowned Sparrow, 104; White-throated Sparrow, 1; Fox Sparrow, 27; Song Sparrow, 807. **Total,** 93 species; about 129,222 individuals.—George Alderson, Calvin Cooper, J. D. Frantz, R. W. Harris, Carl G. Jacobsen, R. James, Herbert Judd, G. A. Kibler, Roger Kirk, Urban Kubat, Kenneth Lee, Norbert Leupold (compiler), Tom McAllister, Jr., Mrs. T. Millette, Louis Oberson, Mrs. R. T. Platt, Leo Simon, Alfred Weatherwax.

543. Angwin, Calif. (all points within a 15-mile diameter circle, center Angwin, including Howell Mountain, large artificial lake, Pope Valley).—Dec. 29; 7 a.m. to 5:30 p.m. Partly overcast; temp. 60° to 75°; wind N, 5-8 m.p.h. Eight observers in 3 parties. Total party-hours, 31 (20 on foot, 11 by car); total party-miles, 124 (39 on foot, 85 by car). ► Eared Grebe, 32; Western Grebe, 32; Pied-billed Grebe, 36; Double-crested Cormorant, 12; Great Blue Heron, 10; Green Heron, 2; Whistling Swan, 3; Canada Goose, 250; Mallard, 30; Gadwall, 12; Pintail, 1; Green-winged Teal, 14; Am. Widgeon, 18; Shoveler, 4; Wood Duck, 250; Ring-necked Duck, 46; Canvasback, 6; Lesser Scaup, 4; Common Goldeneye, 8; Bufflehead, 28; Ruddy Duck, 150; Common Merganser, 2; Turkey Vulture, 6; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 6; Golden Eagle, 4; Marsh Hawk, 1; Sparrow Hawk, 18; California Quail, 130; Ring-necked Pheasant, 2; Sora, 1; Common Gallinule, 1; Am. Coot, 375; Killdeer, 18; Common Snipe, 13; Greater Yellowlegs, 1; Ring-billed Gull, 20; Mourning Dove, 4; Great Horned Owl, 1; Burrowing Owl, 1; Anna's Hummingbird, 3; Belted Kingfisher, 8; Red-shafted Flicker, 29; Pileated Woodpecker, 2; Acorn Woodpecker, 37; Lewis' Woodpecker, 1; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 2; Downy Woodpecker, 5; Nuttall's Woodpecker, 7; Black Phoebe, 33; Say's Phoebe, 1; Steller's Jay, 7; Scrub Jay, 54; Common Crow, 55; Plain Titmouse, 34; Common Bushtit, 125; White-breasted Nuthatch, 2; Wrentit, 20; Winter Wren, 1; Bewick's Wren, 11; Rock Wren, 2; California Thrasher, 1; Robin, 340; Varied Thrush, 24; Hermit Thrush, 9; Western Bluebird, 72; Golden-crowned Kinglet, 2; Ruby-crowned Kinglet, 37; Water Pipit, 58; Cedar Waxwing, 24; Loggerhead Shrike, 1; Starling, 2000; Hutton's Vireo, 1; Myrtle Warbler, 2; Audubon's Warbler, 53; House Sparrow, 4; Western Meadowlark, 118; Redwinged Blackbird, 212; Brewer's Blackbird, 600; Purple Finch, 5; House Finch, 49; Pine Siskin, 16; Lesser Goldfinch, 61; Rufous-sided Towhee, 31; Brown Towhee, 72; Savannah Sparrow, 10; Lark Sparrow, 3; Rufous-crowned Sparrow, 4; Oregon Junco, 250; White-crowned Sparrow, 14; Golden-crowned Sparrow, 188; Fox Sparrow, 11; Lincoln's Sparrow, 26; Song Sparrow, 52. **Total,** 96 species; about 6346 individuals. (Seen in area count period, but not on count day: White-throated Sparrow.)—Ervil Clark, Oren C. Durham (compiler), Lloyd Eighme, Charles H. Hanson, Robert Hawson, Donald Hemphill, Vernon Howe, Kenneth Millard.

544. Big Bear Lake, Calif. (all points within a 15-mile diameter circle, center near Bertha Peak in San Bernardino Mountains as in previous 15 years; 3500-8200 ft. elevation).—Dec. 28; 8:30 a.m. to 5:30 p.m. Clear; temp. 20° to 48°; wind variable, 0-12 m.p.h.; no snow, lake half filled, not frozen. Nine observers in 3 parties. Total party-hours, 17 (11 on foot, 6 by car); total party-miles, 77 (5 on foot, 72 by car). ► Eared Grebe, 6; Ruddy Duck, 1; Red-tailed Hawk, 3; Golden Eagle, 1; Sparrow Hawk, 2; Am. Coot, 5500; Killdeer, 1; Ring-billed Gull, 59; Red-shafted Flicker, 5; Acorn Woodpecker, 11; Hairy Woodpecker, 2; White-headed Woodpecker, 2; Steller's Jay, 26; Scrub Jay, 3; Mountain Chickadee, 76; Common Bushtit, 35; White-breasted Nuthatch, 10; Pigmy Nuthatch, 48; Brown Creeper, 1; Long-billed Marsh Wren, 1; Western Bluebird, 22; Townsend's Solitaire, 4; Golden-crowned Kinglet, 1; Ruby-crowned Kinglet, 2; Brewer's Blackbird, 90; Cassin's Finch, 6; House Finch, 6; Oregon Junco, 30; White-crowned Sparrow, 17; Song Sparrow, 1. **Total,** 30 species; about 5972 individuals.—Mr. and Mrs. Homer Bail, Pat Bennet, Leo Best (compiler), Ella Gihlein, Les Knipping, Pat O'Day, Mildred Smith, Mrs. Glenn Vaughn.

545. Chico, Calif. (all points within an 11-mile diameter circle, center at Chico State College, west to Sacramento River, southwest to Ord Ferry, southeast to U. S. Plant Introduction Station and Durham, northeast into Iron Canyon).—Dec. 28; 8 a.m. to 4:30 p.m. Mostly clear; temp. 38° to 68°; wind 0-10 m.p.h. Twenty-one observers in 3 parties. Total party-hours, 25 (10 on foot, 15 by car); total party-miles, 80 (11 on foot, 69 by car). ► Pied-billed Grebe, 3; Great Blue Heron, 1; Canada Goose, 1140; White-fronted Goose, 256; Snow Goose, 1706; goose (sp.), 850; Wood Duck, 3; Ruddy Duck, 5; duck (sp.), 200; Turkey Vulture, 45; Red-tailed Hawk, 15; Red-

shouldered Hawk, 2; Marsh Hawk, 2; Sparrow Hawk, 52; California Quail, 47; Ring-necked Pheasant, 7; Am. Coot, 91; Killdeer, 111; Greater Yellowlegs, 1; Western Sandpiper, 21; Mourning Dove, 169; Belted Kingfisher, 4; Red-shafted Flicker, 157; Acorn Woodpecker, 179; Lewis' Woodpecker, 4; Yellow-bellied Sapsucker, 2; Downy Woodpecker, 2; Nuttall's Woodpecker, 11; Black Phoebe, 20; Say's Phoebe, 1; Horned Lark, 400; Scrub Jay, 119; Yellow-bellied Magpie, 76; Common Crow, 40; Plain Titmouse, 66; Common Bushtit, 81; White-breasted Nuthatch, 19; Brown Creeper, 1; Bewick's Wren, 6; Mockingbird, 6; Robin, 47; Varied Thrush, 3; Hermit Thrush, 3; Western Bluebird, 10; Golden-crowned Kinglet, 95; Ruby-crowned Kinglet, 72; Water Pipit, 351; Cedar Waxwing, 91; Loggerhead Shrike, 5; Starling, 407; Orange-crowned Warbler, 2; Audubon's Warbler, 121; House Sparrow, 156; Western Meadowlark, 725; Redwinged Blackbird, 32; Brewer's Blackbird, 4937; Bronzed Cowbird, 5; House Finch, 162; Pine Siskin, 5; Am. Goldfinch, 416; Lesser Goldfinch, 202; Rufous-sided Towhee, 122; Brown Towhee, 20; Savannah Sparrow, 126; Lark Sparrow, 42; Oregon Junco, 474; White-crowned Sparrow, 757; Golden-crowned Sparrow, 377; White-throated Sparrow, 2; Fox Sparrow, 8; Song Sparrow, 5. **Total,** 69 species; about 15,700 individuals.—W. C. Asserson, Bonnie Bishop, Laura Calomb, L. E. Davis, Darrell Deeter, Joe Flores, Gailand Hann, Normand Jensen, Susan Kendall, Bruce Lang, Homer Lowe, F. J. Morrison, Eugene Nunes, Vernon Oswald, Mrs. Paul Roberts, Tom Rodgers (compiler), Myrl Root, Mike Savercol, Tonja Smithousen, Dallas Sutton, Darrell Torgerson.

546. China Lake, Calif. (all points within a 15-mile diameter circle, center at intersection of Ridgecrest and China Lake Blvds.; residential 25%, sewage plant ponds 30%, creosote desert 13%, irrigated fields 22%, marsh 10%).—Dec. 21; 7 a.m. to 5 p.m. Thin overcast; temp. 29° to 66°; wind 0-5 m.p.h.; no precipitation in past 4 months. Nine observers in 2 parties. Total party-hours, 16 (10 on foot, 6 by car); total party-miles, 75 (7 on foot, 68 by car). ► Mallard, 12; Pintail, 40; Green-winged Teal, 15; Shoveler, 250; Lesser Scaup, 8; **Oldsquaw, 1**; Ruddy Duck, 120; Cooper's Hawk, 1; Red-tailed Hawk, 1; Marsh Hawk, 2; Prairie Falcon, 1; Peregrine Falcon, 1; Sparrow Hawk, 2; Chukar, 28; Am. Coot, 60; Killdeer, 2; Least Sandpiper, 1; Am. Avocet, 4; Mourning Dove, 3; Red-shafted Flicker, 3; Yellow-bellied Sapsucker, 1; Say's Phoebe, 5; Horned Lark, 220; Common Raven, 40; Bewick's Wren, 1; Long-billed Marsh Wren, 6; Rock Wren, 1; Mockingbird, 3; Robin, 1; Hermit Thrush, 3; Ruby-crowned Kinglet, 5; Loggerhead Shrike, 8; Starling, **1200**; Audubon's Warbler, 5; House Sparrow, 150; Western Meadowlark, 18; Redwinged Blackbird, 800; Brewer's Blackbird, 75; House Finch, 60; Am. Goldfinch, 15; Sage Sparrow, 2; Oregon Junco, 6; White-crowned Sparrow, 5; Song Sparrow, 10. **Total,** 44 species; about 3195 individuals. (Seen in area count period, but not on count day: **Golden-crowned Kinglet**.)—Lloyd Brubaker, Robin Fincher, Carl Heller, Katy Henry, Ronald Henry, Donald W. Moore (compiler), Lenora Palmer, Russell Palmer, Wanda Shomate.

547. Contra Costa County, Calif. (all points within a 15-mile diameter circle, center on intersection of Trent Lane and Clayton Valley Road, including Mt. Diablo, Walnut Creek, Concord, Pacheco, Pittsburg, Clayton, Port Chicago, Avon; bayshore 30%, mountains 20%, suburbs 15%, deciduous farm woodlots 20%, plowland 10%, pasture 5%).—Dec. 21; 7 a.m. to 5:30 p.m. Overcast, morning drizzle; temp. 45° to 65°; wind N, 0-15 m.p.h. Fourteen observers in 4 parties. Total party-hours, 38 (16 on foot, 22 by car); total party-miles, 322 (25 on foot, 297 by car). ► Horned Grebe, 1; Eared Grebe, 10; Western Grebe, 1; Pied-billed Grebe, 50; Double-crested Cormorant, 1; Green Heron, 3; Common Egret, 13; Snowy Egret, 27; Black-crowned Night Heron, 11; Canada Goose, 100; Mallard, 157; Gadwall, 14; Pintail, 2060; Green-winged Teal, 26; Am. Widgeon, 1514; Shoveler, 764; Wood Duck, 1; Ring-necked Duck, 1; Canvasback, 3; Common Goldeneye, 1; Ruddy Duck, 92; White-tailed Kite, 6; Red-tailed Hawk, 16; Marsh Hawk, 8; **Pigeon Hawk, 1** (all field marks); Sparrow Hawk, 65; California Quail, 199; Ring-necked Pheasant, 4; **Sora, 1** (first count record—H. A.); Common Gallinule, 1; Am. Coot, 268; Killdeer, 107; Black-bellied Plover, 1; Common Snipe, 20; Greater Yellowlegs, 23; Least Sandpiper, 23; Dunlin, 86; Long-billed Dowitcher, 3; Am. Avocet, 21; Glaucous-winged Gull, 5; California Gull, 7; Ring-billed Gull, 147; Mew Gull, 1; Bonaparte's Gull, 4; Mourning Dove, 207; Barn Owl, 1; Great Horned Owl, 1; Burrowing Owl, 3; Anna's Hummingbird, 3; Belted Kingfisher, 4; Red-shafted Flicker, 146; Acorn Woodpecker, 27; **Lewis' Woodpecker, 8** (3 parties); Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 1; Downy Woodpecker, 3; Nuttall's Woodpecker, 1; Black Phoebe, 13; Say's Phoebe, 8; Horned Lark, 47 (P. O.); Steller's Jay, 16; Scrub Jay, 124; Chestnut-backed Chickadee, 9; Plain Titmouse, 31; Common Bushtit, 99; White-breasted Nuthatch, 7; Wrentit, 4; **House Wren, 1** (L. F., B. W.); Bewick's Wren, 5; Long-billed Marsh Wren, 18; Rock Wren, 1; Mockingbird, 39; California Thrasher, 5; Robin, 34; Varied Thrush, 9; Hermit Thrush, 14; Western Bluebird, 77; Golden-crowned Kinglet, 22; Ruby-crowned Kinglet, 73; Water Pipit, 272; Cedar Waxwing, 174; Loggerhead Shrike, 50; Starling, 150; Hutton's Vireo, 1; Myrtle Warbler, 1; Audubon's Warbler, 204; Yellowthroat, 8; House Sparrow, 274; Western Meadowlark, 351; Redwinged Blackbird, 1859; Tricolored Blackbird, 2150; Brewer's Blackbird, 8163; Brown-headed Cowbird, 54; House Finch, 252; Pine Siskin, 6; Am. Goldfinch, 79; Lesser Goldfinch, 1946; Rufous-sided Towhee, 60; Brown Towhee, 113; Savannah Sparrow, 455; Lark Sparrow, 68; Rufous-crowned Sparrow, 1; Oregon Junco, 364; White-crowned Sparrow, 2177; Golden-crowned Sparrow, 228; **White-throated Sparrow, 1** (at feeder daily); Fox Sparrow, 176; Lincoln's Sparrow, 3; Song Sparrow, 238. **Total,** 109 species; about 26,810 individuals. (Seen in area count period, but not on count day: Am. Bittern, Virginia Rail, Screech

Owl, Short-Eared Owl, Tree Swallow.)—Betty Adamson, Harry Adamson, Richard Beitzel, Violet Beitzel, John Bruce, Dorothy Couden, Harry Couden, Lynn Farrar, Paul Opler, Richard Stallcup, Beverly Wilder (compiler).

548. Crystal Springs, Calif. (all points within a 15-mile diameter circle, center Crystal Springs Dam, including South San Francisco Bay in vicinity of Belmont Slough and San Mateo Bridge, northern Santa Cruz Mts., Pacific Ocean at Half Moon Bay; open bay and ocean 15%, tidal marsh 10%, exposed mud flats 5%, lawns and shrubbery 10%, fresh-water lakes 10%, chaparral-covered hillsides 15%, farm and grazing land 15%, forested canyons and ridges 10%, ocean beach 10%).—Dec. 27; 7 a.m. to 8:30 p.m. Partly cloudy; temp. 52° to 63°; no wind. Twenty-two observers in 7 parties. Total party-hours, 51 (35 on foot, 11 by car, 5 by boat); total party-miles, 96 (25 on foot, 72 by car, 7 by boat). ► Common Loon, 4; Arctic Loon, 2; Red-throated Loon, 1; Red-necked Grebe, 1; Horned Grebe, 44; Eared Grebe, 8; Western Grebe, 16; Pied-billed Grebe, 25; White Pelican, 174; Brown Pelican, 4; Double-crested Cormorant, 35; Brandt's Cormorant, 3; Pelagic Cormorant, 6; Great Blue Heron, 62; Common Egret, 18; Snowy Egret, 42; Black-crowned Night Heron, 35; Am. Bittern, 1; Whistling Swan, 8; Canada Goose, 143; Mallard, 12; Gadwall, 46; Pintail, 189; Green-winged Teal, 3; Am. Widgeon, 30; Shoveler, 504; Redhead, 1; Ring-necked Duck, 4; Canvasback, 27; Greater Scaup, 5; Lesser Scaup, 28; Common Goldeneye, 19; Bufflehead, 50; White-winged Scoter, 3; Surf Scoter, 17; Common Scoter, 6; Ruddy Duck, 479; Turkey Vulture, 13; White-tailed Kite, 4; Sharp-shinned Hawk, 2; Cooper's Hawk, 3; Red-tailed Hawk, 52; **Ferruginous Hawk, 1** (R. A., C. S.); Golden Eagle, 3; Marsh Hawk, 3; Pigeon Hawk, 1; Sparrow Hawk, 48; California Quail, 86; Clapper Rail, 6; Sora, 2; Am. Coot, 633; Semipalmated Plover, 3; Killdeer, 128; Black-bellied Plover, 61; Black Turnstone, 30; Long-billed Curlew, 18; Whimbrel, 11; Willet, 750; Greater Yellowlegs, 18; Least Sandpiper, 500; Long-billed Dowitcher, 75; Western Sandpiper, 650; Marbled Godwit, 242; Sanderling, 517; Am. Avocet, 126; Black-necked Stilt, 5; Glaucous-winged Gull, 34; Western Gull, 153; Herring Gull, 1001; California Gull, 126; Ring-billed Gull, 210; Mew Gull, 25; Bonaparte's Gull, 1030; Heermann's Gull, 13; Forster's Tern, 15; Mourning Dove, 3; Screech Owl, 1; Short-eared Owl, 3; Anna's Hummingbird, 14; Belted Kingfisher, 2; Red-shafted Flicker, 38; Acorn Woodpecker, 13; Yellow-bellied Sapsucker, 2; Downy Woodpecker, 8; **Ash-throated Flycatcher, 2** (R. A., C. S.); Black Phoebe, 11; Say's Phoebe, 2; Steller's Jay, 12; Scrub Jay, 181; Common Crow, 5; Chestnut-backed Chickadee, 66; Plain Titmouse, 18; Common Bushtit, 84; White-breasted Nuthatch, 4; Red-breasted Nuthatch, 1; Brown Creeper, 5; Wrentit, 17; Bewick's Wren, 6; Mockingbird, 20; California Thrasher, 11; Robin, 86; Varied Thrush, 17; Hermit Thrush, 20; Western Bluebird, 3; Ruby-crowned Kinglet, 30; Water Pipit, 50; Cedar Waxwing, 202; Loggerhead Shrike, 3; **Starling, 14**; Hutton's Vireo, 8; Myrtle Warbler, 1; Audubon's Warbler, 59; Townsend's Warbler, 2; House Sparrow, 176; Western Meadowlark, 204; Redwinged Blackbird, 146; Tricolored Blackbird, 1; Brewer's Blackbird, 906; Brown-headed Cowbird, 3; Purple Finch, 6; House Finch, 2276; Pine Siskin, 2; Am. Goldfinch, 9; Lesser Goldfinch, 93; Rufous-sided Towhee, 21; Brown Towhee, 122; Savannah Sparrow, 190; Lark Sparrow, 3; Oregon Junco, 220; White-crowned Sparrow, 731; Golden-crowned Sparrow, 382; Fox Sparrow, 19; Song Sparrow, 92. **Total,** 133 species; about 15,279 individuals. (Seen in area count period, but not on count day: Long-eared Owl, White-throated Sparrow.)—Robert S. Arbib, Jr., Ruth Breckenridge, Mrs. Margaret Bump, Mrs. Aveline Butler, James S. Butler, B. Neil Dickinson (compiler), Joe Dickinson, Mrs. Hazel Eastling, Donald H. Fry, Jr., Michael Fry, Kevin Gray, Mrs. Marian Harman, Rich Jacops, Mrs. Karole Kinne, Mrs. Georgiana Larsen, John Larson, Mark Massey, J. E. McClellan, Vernon Nellis, Maja Powey, C. L. Sleeper, Robert Wood.

549. Death Valley, Calif. (all points within a 15-mile diameter circle, center Furnace Creek Ranch, south to Eagle Borax, north to Cow Creek, Park Service Headquarters; *entire count made below sea-level*).—Dec. 23; 7:30 a.m. to 5 p.m.; temp. 48° to 66°; no wind. Four observers in 4 parties. Total party-hours, 21 (17 on foot, 4 by car); total party-miles, 58 (15 on foot, 43 by car). ► Mallard, 20; Pintail, 1; Green-winged Teal, 11; Am. Widgeon, 2; Lesser Scaup, 1; Cooper's Hawk, 5; Ferruginous Hawk, 1; Prairie Falcon, 2; Gambel's Quail, 43; Am. Coot, 15; Killdeer, 1; Common Snipe, 2; Roadrunner, 3; Red-shafted Flicker, 10; Yellow-bellied Sapsucker, 3; Williamson's Sapsucker, 1; Black Phoebe, 4; Say's Phoebe, 18; Vermilion Flycatcher, 1; Common Raven, 10; Bewick's Wren, 1; Long-billed Marsh Wren, 2; Rock Wren, 2; Ruby-crowned Kinglet, 15; Water Pipit, 16; Cedar Waxwing, 4; Starling, 526; Audubon's Warbler, 81; House Sparrow, 20; Western Meadowlark, 20; Brewer's Blackbird, 7; House Finch, 38; Sage Sparrow, 4; White-crowned Sparrow, 13; Lincoln's Sparrow, 2; Song Sparrow, 24. **Total,** 36 species; about 929 individuals.—Parker Dragee, Aulton Hoover, Matt Ryan, Roland Wauer (compiler).

550. Eastern Santa Cruz County, Calif. (all points within a 15-mile diameter circle, center Larkin Valley School on Larkin Valley Road 1 mile northwest of intersection with Buena Vista Drive; beach 15%, fields 20%, oak woodlands 40%, orchards 10%, lakes and ponds 5%, urban 10%).—Dec. 27; 7 a.m. to 5:30 p.m. Overcast, clearing 11 a.m.; temp. 50° to 64°; no wind. Four observers in 2 parties. Total party-hours, 21 (18 on foot, 3 by car); total party-miles, 71 (9 on foot, 62 by car). ► Western Grebe, 5; Black-crowned Night Heron, 2; Surf Scoter, 1; Ruddy Duck, 10; Cooper's Hawk, 1; Red-tailed Hawk, 4; Sparrow Hawk, 8; California Quail, 312; Ring-necked Pheasant, 6; Virginia Rail, 2; Sora, 2; Common Gallinule, 1; Am. Coot, 109; Killdeer, 30; Willet, 7; Sanderling, 5; Western Gull, 8; Mew

Gull, 72; Mourning Dove, 33; Great Horned Owl, 2; Anna's Hummingbird, 11; Red-shafted Flicker, 34; Hairy Woodpecker, 1; Downy Woodpecker, 5; Black Phoebe, 7; Steller's Jay, 9; Scrub Jay, 42; Chestnut-backed Chickadee, 42; Plain Titmouse, 17; Common Bushtit, 39; Pigmy Nuthatch, 11; Wrentit, 14; Winter Wren, 1; Bewick's Wren, 9; Mockingbird, 5; Robin, 49; Varied Thrush, 19; Hermit Thrush, 30; Golden-crowned Kinglet, 10; Ruby-crowned Kinglet, 29; Water Pipit, 4; Loggerhead Shrike, 4; Myrtle Warbler, 4; Audubon's Warbler, 26; House Sparrow, 14; Western Meadowlark, 11; Redwinged Blackbird, 28; Brewer's Blackbird, 87; Purple Finch, 14; House Finch, 114; Pine Siskin, 17; Am. Goldfinch, 35; Lesser Goldfinch, 23; Rufous-sided Towhee, 22; Brown Towhee, 84; Rufous-crowned Sparrow, 19; Oregon Junco, 78; Chipping Sparrow, 44; White-crowned Sparrow, 59; Golden-crowned Sparrow, 121; **White-throated Sparrow, 2**; Fox Sparrow, 32; Song Sparrow, 31. **Total,** 63 species; about 1877 individuals. (Seen in area count period, but not on count day: Say's Phoebe.)—Florence Haas, Jessie Hooper (compiler), Dorothy B. Hunt, H. Ray Hunt.

551. Escondido, Calif. (all points within a 15-mile diameter circle, center at Lake Hodges, including San Dieguito Reservoir; fresh-water lakes 40%, wooded areas 20%, chaparral 30%, open fields 10%).—Dec. 31; 6 a.m. to 5:30 p.m. Clear; temp. 56° to 79°; wind SE, 10-15 m.p.h. Two observers in 1 party. Total party-hours, 11½ (5 on foot, 6½ by car); total party-miles, 87 (6 on foot, 81 by car). ► Eared Grebe, 2; Western Grebe, 5; Pied-billed Grebe, 27; Double-crested Cormorant, 26; Great Blue Heron, 7; Common Egret, 2; Snowy Egret, 2; Black-crowned Night Heron, 19; Baldpate, 10; Pintail, 1527; Green-winged Teal, 27; Cinnamon Teal, 8; Shoveler, 2000; Redhead, 7; Canvasback, 9; Lesser Scaup, 8; Bufflehead, 3; Ruddy Duck, 350; White-tailed Kite, 2; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 10; Red-shouldered Hawk, 4; Ferruginous Hawk, 3; Marsh Hawk, 1; Sparrow Hawk, 41; California Quail, 20; Common Gallinule, 1; Am. Coot, 345; Killdeer, 25; Common Snipe, 1; Dunlin, 6; Long-billed Dowitcher, 21; Marbled Godwit, 3; California Gull, 4; Ring-billed Gull, 12; Mourning Dove, 18; Spotted Dove, 1; Barn Owl, 1; Great Horned Owl, 1; Burrowing Owl, 1; Anna's Hummingbird, 2; Red-shafted Flicker, 13; Acorn Woodpecker, 8; Yellow-bellied Sapsucker, 2; Nuttall's Woodpecker, 3; Cassin's Kingbird, 26; Black Phoebe, 14; Say's Phoebe, 30; Horned Lark, 53; Tree Swallow, 103; Scrub Jay, 19; Common Crow, 5; Plain Titmouse, 8; Common Bushtit, 75; White-breasted Nuthatch, 1; Wrentit, 24; House Wren, 2; Bewick's Wren, 7; Mockingbird, 14; California Thrasher, 5; Robin, 2; Hermit Thrush, 7; Western Bluebird, 14; Ruby-crowned Kinglet, 20; Water Pipit, 206; Cedar Waxwing, 149; Phainopepla, 1; Loggerhead Shrike, 13; Audubon's Warbler, 295; House Sparrow, 65; Western Meadowlark, 219; Redwinged Blackbird, 300; Brewer's Blackbird, 310; House Finch, 443; Lesser Goldfinch, 8; Rufous-sided Towhee, 12; Brown Towhee, 44; Savannah Sparrow, 112; Lark Sparrow, 49; Slate-colored Junco, 18 [no details—Ed.]; Oregon Junco, 6; Chipping Sparrow, 14; White-crowned Sparrow, 179; Golden-crowned Sparrow, 7; Fox Sparrow, 9; Song Sparrow, 6. **Total,** 87 species; about 7486 individuals.—Mrs. Sidney S. Doner (compiler), Fred N. Gallup.

552. Lodi, Calif. (all points within a 15-mile diameter circle, center at Lodi Lake formed by overflow at Mokelumne River; town and suburbs 10%, vineyards and open fields 40%, open water 5%, woodlands and river delta land 35%, marsh 10%).—Dec. 22; 8:30 a.m. to 5:30 p.m. Early fog, clearing at noon; temp. 55° to 42°; wind NW, 5 m.p.h.; dryest fall and winter on record. Four observers in 1 party. Total party-hours, 9 (1 on foot, 7 by car, 1 by boat); total party-miles, 36 (5 on foot, 26 by car, 5 by boat). ► Western Grebe, 4; Great Blue Heron, 2; Canada Goose, 26; Mallard, 18; Pintail, 24; Red-tailed Hawk, 1; Sparrow Hawk, 6; California Quail, 21; Ring-necked Pheasant, 2; Sandhill Crane, 16; Am. Coot, 72; Killdeer, **550**; California Gull, 35; Band-tailed Pigeon, 55; Burrowing Owl, 4; Red-shafted Flicker, 32; Acorn Woodpecker, 32; Western Kingbird, 4; Tree Swallow, 46; Steller's Jay, 9; Scrub Jay, 18; Mockingbird, 8; California Thrasher, 16; Robin, 104; House Sparrow, 55; Western Meadowlark, 10; Redwinged Blackbird, 85; Tricolored Blackbird, 56; Brewer's Blackbird, 1200; Am. Goldfinch, 16; Savannah Sparrow, 66; Vesper Sparrow, 48; Golden-crowned Sparrow, 96; Fox Sparrow, 16. **Total,** 39 species; about 2884 individuals. [The following species reported without details and not underlined as unusual were deleted from the list: Harris' Hawk, 3; Western Gull, 18; Caspian Tern, 6; Cassin's Finch, 68; Harris' Sparrow, 36.]—David Bergantz, George Bergantz, Margaret Bergantz, Milton Bergantz (compiler).

553. Los Angeles, Calif. (all points within a 15-mile diameter circle, center near intersection of Pico and La Cienega Boulevards as in former years, north to North Hollywood, east to Western Elysian Park, south to Inglewood, west to ocean).—Dec. 28; 5:30 a.m. to 6 p.m. Clear; temp. 44° to 70°; wind 5-25 m.p.h., gusts to 45 m.p.h.; visibility near coast low a.m., clearing p.m. Fifty-four observers in 25 parties. Total party-hours, 188 (139 on foot, 49 by car); total party-miles, 404 (128 on foot, 276 by car). ► Arctic Loon, 5; Red-throated Loon, 14; Horned Grebe, 22; Eared Grebe, 38; Western Grebe, 680; Pied-billed Grebe, 28; **Manx Shearwater, 9**; Brown Pelican, 34; Double-crested Cormorant, 16; Brandt's Cormorant, 1; Pelagic Cormorant, 4; Great Blue Heron, 5; Green Heron, 2; Common Egret, 5; Snowy Egret, 27; Black-crowned Night Heron, 13; Canada Goose, 1; Black Brant, 1; White-fronted Goose, 1; Mallard, 365; Pintail, 11; Green-winged Teal, 3; Cinnamon Teal, 7; Am. Widgeon, 6; Shoveler, 7; Canvasback, 1; Greater Scaup, 20; Lesser Scaup, 843; Bufflehead, 1; White-winged Scoter, 10; Surf Scoter, 1186; Common Scoter, 1; Ruddy Duck, 17; Red-breasted Merganser, 27; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 44; Peregrine Falcon, 1; Pigeon

Hawk, 1; Sparrow Hawk, 37; California Quail, 200; Sora, 1; Am. Coot, 745; Semipalmated Plover, 150; Snowy Plover, 75; Killdeer, 111; Black-bellied Plover, 465; Surfbird, 116; Ruddy Turnstone, 1; Black Turnstone, 63; Long-billed Curlew, 17; Whimbrel, 10; Spotted Sandpiper, 6; Willet, 1221; Greater Yellowlegs, 17; **Rock Sandpiper, 2** (present since Nov.); Least Sandpiper, 891; Dunlin, 500; Short-billed Dowitcher, 6; Long-billed Dowitcher, 200; Western Sandpiper, 1000; Marbled Godwit, 489; Sanderling, 48; Am. Avocet, 32; **Glaucous Gull, 1** (first year bird carefully identified); Glaucous-winged Gull, 225; Western Gull, 129; Herring Gull, 7; California Gull, 514; Ring-billed Gull, 1925; Mew Gull, 10; Bonaparte's Gull, 731; Heermann's Gull, 2366; Black-legged Kittiwake, 4; Common Tern, 40 [no details; no Forster's Terns?—Ed.]; Royal Tern, 280; Common Murre, 1; Ancient Murrelet, 2; Band-tailed Pigeon, 1; Mourning Dove, 521; Spotted Dove, 75; Ringed Turtle Dove, 56; Roadrunner, 1; Screech Owl, 1; Great Horned Owl, 2; Burrowing Owl, 1; Short-eared Owl, 1; White-throated Swift, 62; Black-chinned Hummingbird, 3; Anna's Hummingbird, 326; Belted Kingfisher, 8; Red-shafted Flicker, 86; Acorn Woodpecker, 7; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 3; Downy Woodpecker, 2; Nuttall's Woodpecker, 33; Black Phoebe, 42; Say's Phoebe, 18; Scrub Jay, 313; Common Raven, 5; Common Crow, 88; Plain Titmouse, 113; Common Bushtit, 518; Pigmy Nuthatch, 1; Brown Creeper, 2; Wrentit, 534; House Wren, 3; Bewick's Wren, 32; Cañon Wren, 1; Rock Wren, 2; Mockingbird, 348; California Thrasher, 80; Robin, 73; Hermit Thrush, 49; Western Bluebird, 9; Blue-gray Gnatcatcher, 2; Golden-crowned Kinglet, 6; Ruby-crowned Kinglet, 70; Water Pipit, 284; Cedar Waxwing, 865; Loggerhead Shrike, 29; Hutton's Vireo, 3; Solitary Vireo, 1 (carefully identified); Orange-crowned Warbler, 1; Audubon's Warbler, 2489; House Sparrow, 661; Red-winged Blackbird, 4; Brewer's Blackbird, 1105; Brown-headed Cowbird, 6; Purple Finch, 21; Cassin's Finch, 2; House Finch, 2408; Am. Goldfinch, 47; Lesser Goldfinch, 163; Rufous-sided Towhee, 127; Brown Towhee, 910; Savannah Sparrow, 22; Lark Sparrow, 117; Rufous-crowned Sparrow, 4; Slate-colored Junco, 3; Oregon Junco, 748; Chipping Sparrow, 58; White-crowned Sparrow, 1079; Golden-crowned Sparrow, 185; Fox Sparrow, 61; Lincoln's Sparrow, 21; Song Sparrow, 94. **Total,** 148 species; about 31,119 individuals.—Donald Adam, Mrs. D. Adams, Robert Blackstone, Herb Clarke, Olga Clarke, Ethel Craig, Mary Craig, Loring Dales, Caroline Daugherty, Merritt Dunlap, David DuVal (compiler), Dean Fischer, Bob Gee, Tom Gee, Dorothy Goddard, Maizie Goodman, Tom Goodman, Pat Gould, Paul Harkin, Mrs. P. Harkin, George Hastings, Bruce Hayward, Paul Herman, Mrs. H. Hoffman, Dick Holmes, Mike Jacobson, Ellen Julian, Reginald Julian, Elsie Kennedy, Bob Kirby, Aaron Krieger, Bill Lofthouse, C. T. Logan, Allen Meyerfield, Betty Meyerfield, Gudrun Pepke, Clara Pflager, Earl Rugraff, Bob Sandmeyer, Sara Schaeffer, Roscoe Schaffert, Arnold Small, Catherine Shaw, Dick Smith, Nellie Spencer, Norma Splitter, Fred Starck, John Tramontano, Otis Wade, Clara Weedmark, Ernest Willoughby, Marion Wilson, Russ Wilson, Les Wood.

554. Monterey Peninsula, Calif. (all points within a 15-mile diameter circle, center on Devil's Hill as since 1949; ocean and bays 19%, rocky shores 5%, beaches and sandbars 5%, lagoons, ponds and larger streams 3%, marshes 6%, open fields and golf courses 10%, low and tall brush 9%, streambottoms and thickets 8%, oak groves 4%, pine woodland 5%, garden and village streets 12%, Coast Redwoods 2%, cypress groves 2%, misc. 10%).—Dec. 22; 6:45 a.m. to 6 p.m. Clear; temp. 54° to 70°; wind E, 0-10 m.p.h. Twelve observers in 8 parties. Total party-hours, 40 (35 on foot, 5 by car); total party-miles, 72 (24 on foot, 48 by car). ► Common Loon, 5; Arctic Loon, 9; Red-throated Loon, 4; Red-necked Grebe, 2; Horned Grebe, 64; Eared Grebe, 38; Western Grebe, 53; Pied-billed Grebe, 13; Fulmar, **201**; Brown Pelican, 178; Brandt's Cormorant, 423; Pelagic Cormorant, 63; Great Blue Heron, 2; Green Heron, 1; Black-crowned Night Heron, 1; Am. Bittern, 1; Mallard, 33; Pintail, 9; Green-winged Teal, 4; **European Widgeon, 1** (here 3 weeks); Am. Widgeon, 17; Shoveler, 40; Redhead, 1; Canvasback, 35; Common Goldeneye, 9; Bufflehead, 16; White-winged Scoter, 48; Surf Scoter, 703; Ruddy Duck, 119; Red-breasted Merganser, 31; Sharp-shinned Hawk, 2; Cooper's Hawk, 1; Red-tailed Hawk, 8; Red-shouldered Hawk, 4; Sparrow Hawk, 14; California Quail, 40; Virginia Rail, 4; Sora, 3; Common Gallinule, 1; Am. Coot, 200; Black Oystercatcher, 14; Snowy Plover, 4; Killdeer, 31; Surfbird, 4; Ruddy Turnstone, 1; Black Turnstone, 152; Common Snipe, 3; Whimbrel, 1; Spotted Sandpiper, 6; Wandering Tattler, 4; Willet, 349; Least Sandpiper, 2; Marbled Godwit, 5; Sanderling, 291; Glaucous-winged Gull, 680; Western Gull, 309; Herring Gull, 35; California Gull, 979; Ring-billed Gull, 3; Mew Gull, 283; Heermann's Gull, 266; Common Murre, 221; Ancient Murrelet, 6; Rhinoceros Auklet, 150; Band-tailed Pigeon, 152; Mourning Dove, 5; Barn Owl, 2; Screech Owl, 2; Great Horned Owl, 4; Pygmy Owl, 5; Saw-whet Owl, 2; Anna's Hummingbird, 31; Belted Kingfisher, 6; Red-shafted Flicker, 66; Acorn Woodpecker, 101; **Lewis' Woodpecker, 2** (seen well—E. H.); Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 8; Downy Woodpecker, 8; Black Phoebe, 13; Say's Phoebe, 4; Horned Lark, 1; Steller's Jay, 8; Scrub Jay, 94; Yellow-billed Magpie, 10; Common Crow, 104; Chestnut-backed Chickadee, 52; Plain Titmouse, 11; Common Bushtit, 102; Pigmy Nuthatch, 113; Brown Creeper, 8; Wrentit, 29; Winter Wren, 5; Bewick's Wren, 13; Long-billed Marsh Wren, 3; Mockingbird, 1; California Thrasher, 5; Robin, 64; Varied Thrush, 5; Hermit Thrush, 20; Western Bluebird, 15; Blue-gray Gnatcatcher, 4; Golden-crowned Kinglet, 21; Ruby-crowned Kinglet, 66; Water Pipit, 158; Cedar Waxwing, 126; Loggerhead Shrike, 3; Hutton's Vireo, 17; Orange-crowned Warbler, 8; Audubon's Warbler, 240; Townsend's Warbler, 16; Yellowthroat, 4; House Sparrow, 46; Western Meadowlark, 18; Redwinged Blackbird, 2612; Tricolored Blackbird, 8; **Bullock's Oriole, 2**; Brewer's Blackbird, 651; Brown-

headed Cowbird, 25; Purple Finch, 4; House Finch, 309; Pine Siskin, 88; Am. Goldfinch, 3; Lesser Goldfinch, 5; Rufous-sided Towhee, 26; Brown Towhee, 6; Savannah Sparrow, 8; Oregon Junco, 197; White-crowned Sparrow, 223; Golden-crowned Sparrow, 338; Fox Sparrow, 58; Lincoln's Sparrow, 3; Song Sparrow, 35. **Total,** 133 species; about 12,603 individuals. (Seen in area count period, but not on count day: Fork-tailed Petrel, Ashy Petrel, Black Petrel, Common Scoter, Black-legged Kittiwake, Pigeon Guillemot, Cassin's Auklet, Solitary Vireo.)—Alfred P. Boileau, Louise M. Hatton, Stoner Haven, Elmer E. Highley (compiler), Wesley M. King, Patrick Leydon, Robert Rickleffs, Robert Row, Grace B. Selzer, John E. Sinton, Laidlaw O. Williams, Vernal Yaden.

555. Oakland, Calif. (all points within a 15-mile diameter circle, center at Norago Ave. and Estates Drive as in 1949 and subsequent years).—Dec. 28; 3 a.m. to 5 p.m. Fog morning, clear afternoon; temp. 42° to 57°; wind WNW, 0-11 m.p.h. Forty-six observers in 13 parties (3 watching yards). Total party-hours, 109 (77 on foot, 32 by car); total party-miles, 282 (52 on foot, 230 by car). ► Common Loon, 5; Red-throated Loon, 3; Horned Grebe, 54; Eared Grebe, 110; Western Grebe, 36; Pied-billed Grebe, 28; White Pelican, 1; Double-crested Cormorant, 73; Great Blue Heron, 27; Common Egret, 14; Snowy Egret, 55; Black-crowned Night Heron, 9; Canada Goose, 1056; Mallard, 274; Pintail, 3886; Green-winged Teal, 17; **European Widgeon, 1** (all field marks); Am. Widgeon, 1576; Shoveler, 92; Wood Duck, 15; Ring-necked Duck, 43; Canvasback, 633; Greater Scaup, 2; scaup (sp.), 745; Common Goldeneye, 209; Bufflehead, 59; White-winged Scoter, 26; Surf Scoter, 37; Ruddy Duck, 2173; Hooded Merganser, 16; Common Merganser, 49; Red-breasted Merganser, 2; Turkey Vulture, **14**; Sharp-shinned Hawk, 5; Cooper's Hawk, 8; Red-tailed Hawk, 43; Marsh Hawk, 2; **Osprey, 1** (present 1 month); Sparrow Hawk, 53; California Quail, 315; Clapper Rail, 1; Am. Coot, 1405; Semipalmated Plover, 152; Snowy Plover, 30; Killdeer, 75; Black-bellied Plover, 867; Ruddy Turnstone, 1; Black Turnstone, 21; Long-billed Curlew, 137; Whimbrel, 10; Spotted Sandpiper, 3; Willet, 1161; Greater Yellowlegs, 12; Least Sandpiper, 1155; Dunlin, 6200; Short-billed Dowitcher, **40**; Long-billed Dowitcher, 30; dowitcher (sp.), 265; Western Sandpiper, 11,725; Marbled Godwit, 1346; Sanderling, 368; Am. Avocet, 2354; Glaucous-winged Gull, 998; Western Gull, 247; Herring Gull, 16; California Gull, 398; Ring-billed Gull, 276; Mew Gull, 413; Bonaparte's Gull, 252; Forster's Tern, 17; Mourning Dove, 251; Barn Owl, 3; Screech Owl, 3; Great Horned Owl, **35**; Burrowing Owl, 1; Short-eared Owl, 1; **Saw-whet Owl, 2** (P. L.); White-throated Swift, 4; Anna's Hummingbird, 110; Belted Kingfisher, 4; Red-shafted Flicker, 225; Acorn Woodpecker, 28; Yellow-bellied Sapsucker, 9; Hairy Woodpecker, 3; Downy Woodpecker, 13; Nuttall's Woodpecker, 5; Black Phoebe, 19; Say's Phoebe, 2; empidonax (sp.), 1; Horned Lark, 33; Steller's Jay, 80; Scrub Jay, 260; Common Crow, 34; Chestnut-backed Chickadee, 260; Plain Titmouse, 52; Common Bushtit, 654; White-breasted Nuthatch, 14; Red-breasted Nuthatch, 23; Brown Creeper, 3; Wrentit, 155; **House Wren, 1** (seen well—C. T.); Winter Wren, 8; Bewick's Wren, 36; Long-billed Marsh Wren, 1; Mockingbird, 16; California Thrasher, 17; Robin, 8219; Varied Thrush, 111; Hermit Thrush, 100; Western Bluebird, 27; Blue-gray Gnatcatcher, 2; Golden-crowned Kinglet, 47; Ruby-crowned Kinglet, 85; Water Pipit, 185; Cedar Waxwing, 787; Loggerhead Shrike, 15; **Starling, 4** (carefully identified); Hutton's Vireo, 9; Myrtle Warbler, **37**; Audubon's Warbler, 174; **Black-throated Gray Warbler, 1**; House Sparrow, 763; Western Meadowlark, 419; Redwinged Blackbird, 539; Brewer's Blackbird, 2281; Brown-headed Cowbird, 3; Black-headed Grosbeak, 2; Purple Finch, 6; House Finch, 458; Pine Siskin, 205; Am. Goldfinch, 37; Lesser Goldfinch, 61; Rufous-sided Towhee, 163; Brown Towhee, 417; Savannah Sparrow, 47; Rufous-crowned Sparrow, 3; Oregon Junco, 1107; White-crowned Sparrow, 1570; Golden-crowned Sparrow, 457; Fox Sparrow, 231; Lincoln's Sparrow, 3; Song Sparrow, 208. **Total,** 138 species; about 63,791 individuals. (Seen in area count period, but not on count day: Snow Goose, Orange-crowned Warbler, Northern Waterthrush, Lark Sparrow.)—Betty Adamson, Harry Adamson, Albert Boles, Sadie Bozant, Myra Browne, John Bruce, Francis Campbell, B. Christophensin, Howard Cogswell, Herold Connon, Paul Covel, A. Laurence Curl, Lynn Farrar, Carroll Hayes, John Hildebrand, Junea Kelley, William Landels, L. Richard Leinbach, Mary Leinbach, Phyllis Lindley, Mr. and Mrs. James Linford, Wendell R. Lipscomb, Neil Lochhead, Roberta Long, Marie Mans, Gardner Marshall, Arthur Myer, Margot Ostrom, Harold Peterson, C. John Ralph (compiler), Elsie Roemer, Edward H. Schaffer, Lee Stallcup, Richard Stallcup, Mrs. John Thomas, C. G. Thomson, B. D. Underwood, R. S. Underwood, Evelyn Van Scyoc, Marjorie Van Scyoc, Peter Vietch, Bev Wilder, Ed Willis, Jane Woods, Minnie H. Young (Golden Gate Audubon Society).

556. Oceanside–Vista, Calif. (all points within a 15-mile diameter circle, center in Vista shopping district, including Oceanside, Carlsbad, San Luis Rey Valley, Twin Oaks Valley, Gopher Canyon; landscaped grounds and irrigated groves 20%, reservoirs 5%, ocean shores 5%, brackish lagoon and tule marsh 20%, salt-water slough 5%, dry river with brush and cottonwood margins 15%, grassy and cultivated valley lands 15%, grass and chaparral hills 10%, oak canyons 5%).—Dec. 27; 8 a.m. to 5 p.m. Clear to hazy; temp. 40° to 65°; wind 0-15 m.p.h. Twelve observers in 5 parties. Total party-hours, 70 (35 on foot, 35 by car); total party-miles, 105 (10 on foot, 95 by car). ► Common Loon, 1; Arctic Loon, 2; Red-throated Loon, 3; Horned Grebe, 5; Eared Grebe, 40; Western Grebe, 14; Pied-billed Grebe, 35; Brown Pelican, 5; Double-crested Cormorant, 13; Great Blue Heron, 9; Green Heron, 6; Common Egret, 4; Snowy Egret, 18; Black-crowned Night Heron, 2; Canada Goose, 1; **Snow Goose, 2** (carefully identified); Mallard, 3; Pintail, 80; Green-

winged Teal, 28; Cinnamon Teal, 36; Shoveler, 650; Redhead, 9; Ring-necked Duck, 20; Canvasback, 55; Lesser Scaup, 57; Bufflehead, 42; Surf Scoter, 95; Ruddy Duck, 408; White-tailed Kite, 12; Goshawk, 1 [no details, not even underlined as unusual—Ed.]; Sharp-shinned Hawk, 1; Cooper's Hawk, 2; Red-tailed Hawk, 25; Red-shouldered Hawk, 6; Golden Eagle, 2; Marsh Hawk, 12; Pigeon Hawk, 1; Sparrow Hawk, 69; California Quail, 10; Ring-necked Pheasant, 1; Virginia Rail, 1; Sora, 3; Common Gallinule, 1; Am. Coot, 740; Semipalmated Plover, 100; Snowy Plover, 10; Killdeer, 61; Black-bellied Plover, 27; Common Snipe, 3; Whimbrel, 1; Willet, 3; Greater Yellowlegs, 14; Lesser Yellowlegs, 1; Western Sandpiper, 10; Marbled Godwit, 15; Sanderling, 34; Am. Avocet, 7; Northern Phalarope, 1; Western Gull, 7; Herring Gull, 8; California Gull, 48; Ring-billed Gull, 36; Heermann's Gull, 74; Forster's Tern, 4; Royal Tern, 7; Caspian Tern, 1; Mourning Dove, 234; Spotted Dove, 2; Roadrunner, 2; Barn Owl, 6; Burrowing Owl, 1; Costa's Hummingbird, 2; Anna's Hummingbird, 7; Belted Kingfisher, 3; Red-shafted Flicker, 12; Acorn Woodpecker, 22; Yellow-bellied Sapsucker, 2; Nuttall's Woodpecker, 3; Cassin's Kingbird, 6; Black Phoebe, 32; Say's Phoebe, 28; **Vermilion Flycatcher, 1**; Horned Lark, 10; Tree Swallow, 3; Scrub Jay, 8; Common Raven, 13; Common Crow, 18; Plain Titmouse, 1; Common Bushtit, 104; Wrentit, 7; House Wren, 1; Long-billed Marsh Wren, 7; Mockingbird, 45; California Thrasher, 3; Hermit Thrush, 5; Western Bluebird, 33; Mountain Bluebird, 12; Blue-gray Gnatcatcher, 1; **Black-tailed Gnatcatcher, 1** (carefully identified, competent observer); Ruby-crowned Kinglet, 10; Water Pipit, 9; Cedar Waxwing, 27; Loggerhead Shrike, 34; Audubon's Warbler, 453; Yellowthroat, 6; House Sparrow, 228; Western Meadowlark, 128; Redwinged Blackbird, 39; Tricolored Blackbird, 48; Brewer's Blackbird, 1932; House Finch, 2060; Am. Goldfinch, 20; Lesser Goldfinch, 17; Rufous-sided Towhee, 2; Brown Towhee, 40; Savannah Sparrow, 12; Lark Sparrow, 63; Oregon Junco, 87; Chipping Sparrow, 1; White-crowned Sparrow, 789; Song Sparrow, 33. **Total,** 121 species; about 9675 individuals.—E. A. Block, Mrs. Alice M. Dean, Leon Gardner, Mrs. Arthur Gregory, Claire Hulbert, Arthur Morley, Mrs. Arthur Morley, Boyd Robinson, Mrs. Boyd Robinson, Mrs. Ralph E. Wallace, Mrs. Walter Wellhouse, Dale T. Wood (compiler).

557. Orange County (central and coastal), Calif. (all points within a 15-mile diameter circle, center on Huntington Beach, including from Seal Beach to Corona del Mar, inland to Santa Ana; ocean 20%, salt marsh 10%, mud flat 20%, pastures 5%, fields 30%, urban 15%).—Dec. 26; 8 a.m. to 7 p.m. Mostly sunny, night and morning fog; temp. 54° to 70°; wind W, 2 m.p.h.; long period of drought. Twenty-nine observers in 9 parties, plus 5 yard counts. Total party-hours, 74 (41 on foot, 33 by car); total party-miles, 284 (33 on foot, 251 by car). ► Red-throated Loon, 2; Horned Grebe, 42; Eared Grebe, 124; Western Grebe, 250; Pied-billed Grebe, 52; **Pink-footed Shearwater, 100;** shearwater (sp.), 150; White Pelican, 2; Brown Pelican, 28; Double-crested Cormorant, 17; Great Blue Heron, 17; Green Heron, 1; Common Egret, 357; Snowy Egret, 101; Black-crowned Night Heron, 9; Canada Goose, 47; Pintail, 7308; Green-winged Teal, 530; **Blue-winged Teal, 20**; Cinnamon Teal, 505; Am. Widgeon, 5110; Shoveler, 4563; Lesser Scaup, 190; White-winged Scoter, 1; Surf Scoter, **21,267**; Ruddy Duck, 922; Red-breasted Merganser, 27; Turkey Vulture, 33; White-tailed Kite, 14; Sharp-shinned Hawk, 3; Cooper's Hawk, 4; Red-tailed Hawk, 27; Marsh Hawk, 23; **Osprey, 1** (present all fall); Peregrine Falcon, 1; Sparrow Hawk, 139; California Quail, 50; Ring-necked Pheasant, 2; Clapper Rail, 1; **Common Gallinule, 1** (I. M.); Am. Coot, 2731; Semipalmated Plover, 33; Snowy Plover, 111; Killdeer, 312; Mountain Plover, 25; Black-bellied Plover, 584; Ruddy Turnstone, 11; Black Turnstone, 37; Common Snipe, 406; Long-billed Curlew, 69; Whimbrel, 61; Wandering Tattler, 1; Willet, 1105; Greater Yellowlegs, 57; Least Sandpiper, 2872; Dunlin, 1621; Long-billed Dowitcher, 573 (1 albino); Western Sandpiper, 2164; Marbled Godwit, 742; Sanderling, 545; Am. Avocet, 119; Western Gull, 87; California Gull, 6; Ring-billed Gull, 16,382; Bonaparte's Gull, 14; Heermann's Gull, 99; Forster's Tern, 329; **White-winged Dove, 2** (seen well); Mourning Dove, 217; Spotted Dove, 115; **Ground Dove, 4** (at feeder daily); Roadrunner, 1; Barn Owl, 2; Great Horned Owl, 1; Burrowing Owl, 21; **Costa's Hummingbird, 1** (at 12 ft.); Anna's Hummingbird, 46; Belted Kingfisher, 4; Red-shafted Flicker, 18; Downy Woodpecker, 4; Cassin's Kingbird, 14; Black Phoebe, 18; Say's Phoebe, 19; Horned Lark, 153; Scrub Jay, 19; Common Raven, 7; Common Crow, 208; Common Bushtit, 41; Wrentit, 3; **Winter Wren, 1** (N. F., J. J.); Bewick's Wren, 7; Long-billed Marsh Wren, 8; Mockingbird, 90; Hermit Thrush, 8; Blue-gray Gnatcatcher, 7; Ruby-crowned Kinglet, 21; Water Pipit, 2775; Loggerhead Shrike, 82; Hutton's Vireo, 1; Orange-crowned Warbler, 5; **Myrtle Warbler, 1**; Audubon's Warbler, 1329; **Townsend's Warbler, 2**; Yellowthroat, 1; House Sparrow, 2291; Western Meadowlark, 656; Redwinged Blackbird, 731; Tricolored Blackbird, 4; **Hooded Oriole, 8** (at feeders); **Bullock's Oriole, 1** (at feeder); Brewer's Blackbird, 2793; Brown-headed Cowbird, 200; House Finch, 4607; Am. Goldfinch, 116; Lesser Goldfinch, 44; Rufous-sided Towhee, 5; Brown Towhee, 79; Savannah Sparrow, 1959 (27 Belding's); Lark Sparrow, 3; White-crowned Sparrow, 1544; Golden-crowned Sparrow, 2; Lincoln's Sparrow, 11; Song Sparrow, 77. **Total,** 122 species (1 additional race); about 93,524 individuals. (Seen in area count period, but not on count day: Mallard, Canvasback, Bufflehead, Spotted Sandpiper, Ancient Murrelet, Short-eared Owl, Nuttall's Woodpecker.)—Donald Bauman, Frank Brackett, Gilbert Collins, Josephine Bull, Lillian Crum, Nancy Crum, John DeWitt, Paul Engen, Norman Fleming, Charles Greening, Richard Holmes, Mike Irwin, Esther Johnson, John Johnson, Elletta Kneip, John Kochendorfer, Velma Kochendorfer, Harry Marshall, Irving Meyer, Douglass Millen, Vanche Plumb, Francis Raymond, Dwight

Roberts, Edith Sanford, Georgiana Sanford, Robert Siptroth, Gertrude Siptroth, Alice Zimmerman, Fern Zimmerman (compiler) (Sea and Sage Audubon Society).

558. **Orange County (northeastern), Calif.** (all points within a 15-mile diameter circle, center at Bolero Lookout, including Lemon Heights, Irvine Park, O'Neill Park, Tucker Sanctuary, and Peter's, Santiago, Black Star, Silverado, Trabuco Canyons; fields 10%, grassland 30%, chaparral 40%, oak-sycamore woodland 20%).—Dec. 28; 8 a.m. to 7 p.m. Some cloudiness; temp. 54° to 70°; wind W, 4 m.p.h.; no rain since spring, except for a brief Oct. shower. Thirty-eight observers in 10 parties plus 3 yard counts. Total party-hours, 65 (41 on foot, 24 by car); total party-miles, 178 (30 on foot, 148 by car). ► Pied-billed Grebe, 18; Great Blue Heron, 2; Green Heron, 2; Canada Goose, 16; Mallard, 5; Pintail, 530; Am. Widgeon, 11; Shoveler, 3; Lesser Scaup, 15; Bufflehead, 1; Ruddy Duck, 35; Turkey Vulture, 29; White-tailed Kite, 3; Sharp-shinned Hawk, 3; Cooper's Hawk, 3; Red-tailed Hawk, 52; Red-shouldered Hawk, 17; **Swainson's Hawk, 5** (carefully identified); Golden Eagle, 2; Marsh Hawk, 6; **Prairie Falcon, 1**; Sparrow Hawk, 106; California Quail, 735; Ring-necked Pheasant, 17; **Common Gallinule, 1** (seen well); Am. Coot, 85; Killdeer, 41; Common Snipe, 2; Greater Yellowlegs, 4; Dunlin, 40; Long-billed Dowitcher, 52; Western Sandpiper, 40; Band-tailed Pigeon, 59; Mourning Dove, 352; Spotted Dove, 48; Roadrunner, 6; Great Horned Owl, 3; **Long-eared Owl, 1**; Short-eared Owl, 1; Anna's Hummingbird, 309; Belted Kingfisher, 2; Red-shafted Flicker, 78; Acorn Woodpecker, 435; Yellow-bellied Sapsucker, 4 (2 races); Downy Woodpecker, 2; Nuttall's Woodpecker, 21; Cassin's Kingbird, 18; Black Phoebe, 66; Say's Phoebe, 38; Horned Lark, 340; Scrub Jay, 256; Common Raven, 33; Common Crow, 409; Mountain Chickadee, 1; Plain Titmouse, 166; Common Bushtit, 257; White-breasted Nuthatch, 4; Wrentit, 113; House Wren, 2; Bewick's Wren, 27; Cactus Wren, 8; Cañon Wren, 2; Mockingbird, 98; California Thrasher, 18; Robin, 3; Hermit Thrush, 15; Western Bluebird, 180; Blue-gray Gnatcatcher, 7; **Golden-crowned Kinglet, 1** (close study); Ruby-crowned Kinglet, 111; Water Pipit, 53; Cedar Waxwing, 119; Phainopepla, 5; Loggerhead Shrike, 38; Orange-crowned Warbler, 10; Audubon's Warbler, 5719; **Townsend's Warbler, 1**; House Sparrow, 199; Western Meadowlark, 505; Yellow-headed Blackbird, 50; Redwinged Blackbird, **15,054**; Tricolored Blackbird, 30; **Hooded Oriole, 3** (at feeders); Brewer's Blackbird, 1787; Brown-headed Cowbird, 50; Purple Finch, 8; House Finch, 4702; Am. Goldfinch, 63; Lesser Goldfinch, 335; Lawrence's Goldfinch, 3; Green-tailed Towhee, 4 (carefully identified); Rufous-sided Towhee, 87; Brown Towhee, 578; Savannah Sparrow, 22; Lark Sparrow, 763; Rufous-crowned Sparrow, 8; Oregon Junco, 467; White-crowned Sparrow, 2041; Golden-crowned Sparrow, 58; Fox Sparrow, 8; Song Sparrow, 71. **Total,** 101 species (2 additional races); about 36,176 individuals. (Seen in area count period, but not on count day: Common Egret, Pintail, Rough-legged Hawk, Varied Thrush, Sage Sparrow.)—Priscilla Allen, Frances Barrett, Josephine Bull, Emily Connor, Lillian Crum, Nancy Crum, John DeWitt, Paul Engen, Norman Fleming, Ruth Fleming, Christine Guerra, L. J. Guerra, Jack Hagan, Elvera Hasford, Esther Johnson, Orville Johnson, John Kochendorfer, Velma Kochendorfer, Mary Lehman, Harry Marshall, Vanche Plumb, Francis Raymond, Dwight Roberts, Edith Sanford, Georgiana Sanford, Myrtle Sawyer, Gertrude Siptroth, Robert Siptroth, Willa Steen, Jean Sutton, Kenneth Tanksley, John Tiffany, Sue Tiffany, Anna Trythall, Lawrence West, Mabel Whiting, Alice Zimmerman, Fern Zimmerman (compiler) (Sea and Sage Audubon Society).

559. **Pasadena–San Gabriel Valley, Calif.** (all points within a 15-mile diameter circle, center same as in 1956).—Dec. 27; 4:30 a.m. to 7:30 p.m. Cloudy, misty in foothills; temp. 40° to 70°; wind 5-10 m.p.h. Thirty-six observers in 17 parties. Total party-hours, 132 (120 on foot, 12 by car); total party-miles, 237 (93 on foot, 144 by car). ► **Arctic Loon, 1**; Eared Grebe, 2; Pied-billed Grebe, 27; Great Blue Heron, 2; Green Heron, 2; **Common Egret, 5** (all herons in new lake in Audubon Center); **Snowy Egret, 2**; Black-crowned Night Heron, 1; **Am. Bittern, 1**; Canada Goose, 11 (2 Cackling); Mallard, 59; Pintail, 17; Green-winged Teal, 14; Cinnamon Teal, 3; Am. Widgeon, 87; Shoveler, 7; Redhead, 13; Ring-necked Duck, 123; Canvasback, 19; Lesser Scaup, 19; Ruddy Duck, 185; White-tailed Kite, 5; Sharp-shinned Hawk, 1; Cooper's Hawk, 4; Red-tailed Hawk, 20; Red-shouldered Hawk, 4; Sparrow Hawk, 42; California Quail, 240; Ring-necked Pheasant, 12; Sora, 3; Common Gallinule, 1; Am. Coot, 1743; Killdeer, 102; Common Snipe, 8; Spotted Sandpiper, 15; Solitary Sandpiper, 1; Greater Yellowlegs, 75; Least Sandpiper, 204; Western Sandpiper, 6; **Marbled Godwit, 6**; Sanderling, 30; Glaucous-winged Gull, 2; California Gull, 1; Ring-billed Gull, 79; Band-tailed Pigeon, 54; Mourning Dove, 561; Spotted Dove, 128; Barn Owl, 2; Screech Owl, 1; **Whiskered Owl, 1** [heard only; 300 miles from normal range—Ed.]; Great Horned Owl, 17; Pygmy Owl, 1; Short-eared Owl, 1; White-throated Swift, 168; **Black-chinned Hummingbird, 1** (experienced observer); Anna's Hummingbird, 73; **Calliope Hummingbird, 1** (carefully identified); Belted Kingfisher, 11; Red-shafted Flicker, 94; Acorn Woodpecker, 8; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 2; Downy Woodpecker, 16; Nuttall's Woodpecker, 9; Black Phoebe, 47; Say's Phoebe, 11; Violet-green Swallow, 15; Steller's Jay, 31; Scrub Jay, 205; Common Crow, 518; Mountain Chickadee, 27; Plain Titmouse, 51; Common Bushtit, 279; Wrentit, 187; Dipper, 1; House Wren, 4; Bewick's Wren, 10; **Long-billed Marsh Wren, 8**; Cañon Wren, 20; Mockingbird, 154; California Thrasher, 18; Robin, 7; Hermit Thrush, 32; Western Bluebird, 25; Blue-gray Gnatcatcher, 15; Ruby-crowned Kinglet, 106; Water Pipit, 140; Cedar Waxwing, 75; Loggerhead Shrike, 24; Hutton's Vireo, 2; Orange-crowned Warbler, 3; Myrtle Warbler, 1; Audubon's Warbler, 708; Yellow-

throat, 16; **Yellow-breasted Chat, 1 (D. P.)**; House Sparrow, 367; Western Meadowlark, 118; Redwinged Blackbird, 1573; Brewer's Blackbird, 1067; Brown-headed Cowbird, 7; Cardinal, 11; Purple Finch, 8; Cassin's Finch, 4; House Finch, 2076; Am. Goldfinch, 110; Lesser Goldfinch, 78; Rufous-sided Towhee, 246; Brown Towhee, 419; Savannah Sparrow, 28; Lark Sparrow, 15; Rufous-crowned Sparrow, 3; Oregon Junco, 160; Chipping Sparrow, 48; White-crowned Sparrow, 514; Golden-crowned Sparrow, 38; Fox Sparrow, 11; Song Sparrow, 95. **Total,** 117 species (1 additional race); about 14,093 individuals. (Seen in area count period, but not on count day: Virginia Rail, **Black Rail,** Burrowing Owl.)—Bess F. Archbald, Pat Bennett, Mr. and Mrs. Herbert H. Benson, Leo R. Best, Mrs. Doris K. Bullion, W. C. Carr, Myra Dunham, Bland Ewing, Mr. and Mrs. J. S. Fassero, Patrick Gould, Bill Griffin, Paul Herman, Robert P. Hays, Bruce Hayward, Richard T. Holmes, Harriet B. Hull, Mike Jacobsen, Robert S. Lewis, Louise Luckan, Flora McIntyre, W. Miller, Mrs. Ethel P. Noble, Margaret Otis, Mr. and Mrs. C. J. Parker, D. R. Powers (compiler), W. Daniel Quattlebaum, Earl Rugraff, Richard E. Smith, Dick Suter, David Thurber, John Tramontano, Mrs. Cora Wilson, Jo Anne Wilson.

560. Redding, Calif. (all points within a 15-mile diameter circle, center 6 miles east of Redding; brushy semi-wooded hillsides 10%, park 5%, gravel-pit, lakes and fields 15%, farmlands, pasture, ponds, creeks 50%, rolling grasslands with oaks, pine, chaparral 20%).—Dec. 30; 8 a.m. to 5:30 p.m. Clear; temp. 36° to 65°; wind 0-2 m.p.h. Four observers in 2 parties. Total party-hours, 19 (10 on foot, 9 by car); total party-miles, 40 (10 on foot, 30 by car). ► Eared Grebe, 2; Pied-billed Grebe, 4; Great Blue Heron, 9; Whistling Swan, 45; Canada Goose, 15,000; White-fronted Goose, 5000; Snow Goose, 2000; Mallard, 52; Pintail, 206; Green-winged Teal, 31; Am. Widgeon, 73; Shoveler, 22; Wood Duck, 5; Redhead, 7; Ring-necked Duck, 62; Canvasback, 14; Lesser Scaup, 17; Bufflehead, 10; Ruddy Duck, 112; Hooded Merganser, 5; Common Merganser, 28; Turkey Vulture, 9; Cooper's Hawk, 1; Red-tailed Hawk, 8; Red-shouldered Hawk, 3; Marsh Hawk, 1; Sparrow Hawk, 12; California Quail, 325; Ring-necked Pheasant, 6; Sandhill Crane, 28; Am. Coot, 450; Killdeer, 366; Common Snipe, 11; Greater Yellowlegs, 2; Ring-billed Gull, 2; Mourning Dove, 3; Barn Owl, 3; Belted Kingfisher, 3; Red-shafted Flicker, 42; Acorn Woodpecker, 40; Lewis' Woodpecker, 2; Yellow-bellied Sapsucker, 5; Hairy Woodpecker, 1; Nuttall's Woodpecker, 1; Black Phoebe, 7; Say's Phoebe, 2; Scrub Jay, 47; Yellow-billed Magpie, 250; Common Raven, 1; Common Crow, 23; Plain Titmouse, 5; Common Bushtit, 20; White-breasted Nuthatch, 2; Brown Creeper, 1; Wrentit, 2; Bewick's Wren, 3; Rock Wren, 6; Mockingbird, 1; California Thrasher, 2; Robin, 5; Hermit Thrush, 1; Western Bluebird, 2; Ruby-crowned Kinglet, 8; Water Pipit, 250; Cedar Waxwing, 12; Loggerhead Shrike, 7; Starling, **300**; Hutton's Vireo, 1; Orange-crowned Warbler, 1; Audubon's Warbler, 2; House Sparrow, 200; Western Meadowlark, 325; Redwinged Blackbird, 24; Brewer's Blackbird, 652; House Finch, 7; Pine Siskin, 18; Lesser Goldfinch, 200; Rufous-sided Towhee, 8; Brown Towhee, 3; Savannah Sparrow, 5; Vesper Sparrow, 19; Lark Sparrow, 32; Oregon Junco, 240; White-crowned Sparrow, 700; Golden-crowned Sparrow, 2; Lincoln's Sparrow, 1; Song Sparrow, 16. **Total,** 87 species; about 28,172 individuals. (Seen in area count period, but not on count day: Ross' Goose.)—Helen Labarthe, Warren Labarthe, Beatrice W. Nielsen (compiler), George W. Nielsen.

561. Redlands, Calif. (all points within a 15-mile diameter circle, center in Mill Creek Canyon east of Redlands, approximately same area as past 6 years; forest, chaparral, fields, reservoir).—Dec. 22; 7:30 a.m. to 4:45 p.m. Clear; temp. 41° to 64°; wind 0-5 m.p.h.; little rain last 6 months. Eleven observers in 4 parties. Total party-hours, 37 (17 on foot, 20 by car); total party-miles, 202 (22 on foot, 180 by car). ► Red-tailed Hawk, 4; **Swainson's Hawk, 2**; Sparrow Hawk, 18; California Quail, 77; Ring-necked Pheasant, 1; Band-tailed Pigeon, 6; Mourning Dove, 107; Spotted Dove, 5; Roadrunner, 1; Anna's Hummingbird, 5; **Calliope Hummingbird, 1** (at feeder daily); Red-shafted Flicker, 8; Acorn Woodpecker, 88; Yellow-bellied Sapsucker, 4; Hairy Woodpecker, 1; Nuttall's Woodpecker, 9; White-headed Woodpecker, 2; Black Phoebe, 1; Steller's Jay, 58; Scrub Jay, 76; Common Crow, 17; Mountain Chickadee, 55; Plain Titmouse, 9; Common Bushtit, 36; White-breasted Nuthatch, 11; Pigmy Nuthatch, 4; Brown Creeper, 1; Wrentit, 5; House Wren, 2; Bewick's Wren, 4; Mockingbird, 11; California Thrasher, 2; Robin, 85; Hermit Thrush, 4; Western Bluebird, 88; Townsend's Solitaire, 3; Ruby-crowned Kinglet, 16; Phainopepla, 4; Loggerhead Shrike, 4; Orange-crowned Warbler, 1; Audubon's Warbler, 17; **Black-throated Gray Warbler, 1**; Townsend's Warbler, 1; House Sparrow, 6; Western Meadowlark, 31; Brewer's Blackbird, 76; Cassin's Finch, 4; House Finch, 1185; Pine Siskin, 102; Am. Goldfinch, 29; Lesser Goldfinch, 8; Lawrence's Goldfinch, 23; Rufous-sided Towhee, 14; Brown Towhee, 29; Lark Sparrow, 27; Slate-colored Junco, 1; Oregon Junco, 192; Gray-headed Junco, 3; White-crowned Sparrow, 118; Golden-crowned Sparrow, 29; Fox Sparrow, 4; Song Sparrow, 6. **Total,** 62 species; about 2742 individuals.—Roberta Cushing, Mrs. Stanley Goodman, Donald Kennedy, Lillian Kennedy, Phil Lukei, Mary Mangaoang, Steve Peterson, Mildred Smith (compiler), Danny Sumlin, Mrs. Glenn Vaughn, Ann Wissler.

562. Sacramento, Calif. (all points within a 15-mile diameter circle, center at northeast corner of Sacramento Floodwater By-Pass 2½ miles west of confluence of Sacramento and American Rivers; town and suburbs 26%, open fields 59%, riparian woodlands 5%, marsh 4%, open water 6%).—Dec. 27; 6:30 a.m. to 5 p.m. Partly cloudy, a few localized showers; temp. 49° to 59°; wind SSE to SE, 3-19 m.p.h. Fifty-six observers in 21 parties. Total party-hours, 172 (95 on foot, 77 by car); total party-miles, 651 (87 on foot, 564 by car). ► Eared Grebe, 6; Pied-billed

Grebe, 122; White Pelican, **348**; Great Blue Heron, 24; Green Heron, 6; Common Egret, 32; Black-crowned Night Heron, 179; Am. Bittern, 3; Whistling Swan, **629**; Canada Goose, 11,631 (3 races); White-fronted Goose, **15,557**; Snow Goose, 3910; **Ross' Goose, 1** (studied at close range); goose (sp.), 4627; Mallard, 194; Pintail, 2563; Green-winged Teal, 61; Cinnamon Teal, 2; Am. Widgeon, 14; Shoveler, 48; Wood Duck, 2; Redhead, 2; Ring-necked Duck, 40; Canvasback, 25; Lesser Scaup, 5; Ruddy Duck, 241; Common Merganser, 9; duck (sp.), 2293; White-tailed Kite, 9; Sharp-shinned Hawk, 3; Cooper's Hawk, 6; Red-tailed Hawk, **109**; Red-shouldered Hawk, 3; **Swainson's Hawk, 2** (carefully studied); **Ferruginous Hawk, 2** (present sometime); Marsh Hawk, 73; Sparrow Hawk, **357**; California Quail, 308; Ring-necked Pheasant, 246; Sandhill Crane, **130**; Virginia Rail, 1; **Sora, 2**; Common Gallinule, **40**; Am. Coot, 1507; Killdeer, **1206**; Black-bellied Plover, 10; Common Snipe, 7; Long-billed Curlew, 406; Spotted Sandpiper, 2; **Willet, 12**; Greater Yellowlegs, 43; Least Sandpiper, 81; Dunlin, 797; Long-billed Dowitcher, 235; Western Sandpiper, 59; Marbled Godwit, 1; Am. Avocet, 19; sandpiper (sp.), 33; Herring Gull, 21; California Gull, 1012; Ring-billed Gull, 128; **Mew Gull, 30** (rechecked next day); **Band-tailed Pigeon, 13**; Mourning Dove, 702; Barn Owl, **14**; **Screech Owl, 1**; Great Horned Owl, 5; Burrowing Owl, **23**; Short-eared Owl, 7; Anna's Hummingbird, 7; Belted Kingfisher, 16; Red-shafted Flicker, **707**; Acorn Woodpecker, 71; Lewis' Woodpecker, 1; Yellow-bellied Sapsucker, 5; Downy Woodpecker, 24; Nuttall's Woodpecker, **52**; Black Phoebe, 44; Say's Phoebe, 6; Horned Lark, 918; Scrub Jay, 475; Yellow-billed Magpie, **1899**; Common Crow, 918; Plain Titmouse, **107**; Common Bushtit, 231; White-breasted Nuthatch, 15; Brown Creeper, 4; Wrentit, 2; House Wren, 18; **Winter Wren, 3**; Bewick's Wren, 34; Long-billed Marsh Wren, 18; Mockingbird, 66; Robin, 154; Varied Thrush, 5; Hermit Thrush, 21; Mountain Bluebird, 3; Golden-crowned Kinglet, **83**; Ruby-crowned Kinglet, **365**; Water Pipit, **4628**; Cedar Waxwing, 358; Loggerhead Shrike, 64; Starling, 42; Orange-crowned Warbler, 6; **Myrtle Warbler, 1**; Audubon's Warbler, **2511**; Yellowthroat, 1; House Sparrow, 3829; Western Meadowlark, **4760**; Redwinged Blackbird, 4892 (2 races); Brewer's Blackbird, 11,464; Brown-headed Cowbird, 5; blackbird (sp.), 1877; House Finch, 2546; Pine Siskin, 6; Am. Goldfinch, **1426**; Lesser Goldfinch, 199; Rufous-sided Towhee, 196; Brown Towhee, 27; Savannah Sparrow, **4053**; Lark Sparrow, 6; **Slate-colored Junco, 1** (carefully identified); Oregon Junco, 1805; Chipping Sparrow, 6; White-crowned Sparrow, **13,281**; Golden-crowned Sparrow, **2185**; Fox Sparrow, 58; Lincoln's Sparrow, 17; Song Sparrow, 89. **Total,** 125 species (3 additional races); about 116,849 individuals. (Seen in area count period, but not on count day: Western Bluebird.)—E. A. Albertson (compiler), A. J. Argante, Mrs. Willie Argante, Mrs. Berniece F. Baker, Mrs. Cora Baker, Claudia Blake, Mrs. Georgia H. Borchert, Mrs. Helen Court, James Court, Ida Belle Craig, L. Robert Cunningham, Robert L. Cunningham, George P. Dangberg, Jack Dennison, Mrs. Olivette Dennison, George C. Dobbins, Ben G. Eizinger, Mrs. Marie Eizinger, Stephen Eizinger, Margaret Emigh, Fred G. Evenden, Mrs. Jeannette G. Fry, Mrs. Helen B. Grant, Burgess W. Heacox, Louis G. Heinrich, John Herrmann, Mrs. Lucy Herrmann, Rev. Victor Herrmann, Linda Hutchinson, Mrs. Ruby M. Hutchinson, Beth Kimball, Mrs. Betty G. Kimball, Mrs. Celeste Kirsher, William K. Kirsher, Diane McKellar, Mrs. Alfrieda Meuser, Mrs. Anita Penhale, Leonard B. Penhale, Roy Penhale, Mrs. Jeanne Pond, Wendell F. Pond, Don Rogers, Madeline M. Sheridan, Dick Safholm, D. Bruce Swinehart, Wordena Swisher, Wilmot L. Walker, James O. Wanzer, Mrs. Elma M. White, Mrs. Alice Williams.

563. San Bernardino, Calif. (all points within a 15-mile diameter circle, center at Inland Lake, including Warm Creek Wildlife Refuge, foothills of Del Rosa and San Bernardino, Santa Ana River wash, Reche Canyon, Grand Terrace; pond and cattail marshes 10%, deciduous woods 25%, chaparral 40%, suburbs and roadside 10%, pasture 15%).—Dec. 29; 5:45 a.m. to 5 p.m. Clear; temp. 45° to 60°; wind 30-50 m.p.h.; Inland Lake practically dry, no rains, everything very dry. Twenty-four observers in 11 parties. Total party-hours, 54 (21 on foot, 33 by car); total party-miles, 261 (65 on foot, 196 by car). ► Pied-billed Grebe, 1; Great Blue Heron, 1; Green Heron, 1; Mallard, 2; Pintail, 2; Shoveler, 12; Ring-necked Duck, 2; Ruddy Duck, 8; Turkey Vulture, 1; Sharp-shinned Hawk, 4; Cooper's Hawk, 1; Red-tailed Hawk, 11; Red-shouldered Hawk, 3; **Peregrine Falcon, 1**; Sparrow Hawk, 36; California Quail, 156; Ring-necked Pheasant, 5; Am. Coot, 50; Killdeer, 53; Common Snipe, 17; **Spotted Sandpiper, 1** (studied carefully); Ring-billed Gull, **35**; Mourning Dove, 14; Spotted Dove, 139; Roadrunner, 3; Screech Owl, 1; Anna's Hummingbird, 15; Belted Kingfisher, 1; Red-shafted Flicker, 33; Hairy Woodpecker, 1; Nuttall's Woodpecker, 1; Black Phoebe, 16; Say's Phoebe, **14**; Steller's Jay, 7; Scrub Jay, 47; Common Raven, 13; Common Crow, 134; Mountain Chickadee, 1; Plain Titmouse, 4; Common Bushtit, 55; Wrentit, **15**; Bewick's Wren, 6; Cactus Wren, 2; Long-billed Marsh Wren, 2; Mockingbird, 39; California Thrasher, 26; Robin, 7; Hermit Thrush, 15; Western Bluebird, 156; **Townsend's Solitaire, 1** (daily at feeder); Blue-gray Gnatcatcher, 8; Ruby-crowned Kinglet, 29; Water Pipit, 186; Cedar Waxwing, 70; Loggerhead Shrike, 12; **Myrtle Warbler, 2**; Audubon's Warbler, 259; Yellowthroat, 2; House Sparrow, 223; Western Meadowlark, 125; Redwinged Blackbird, **385**; Tricolored Blackbird, 2; Brewer's Blackbird, 2407; **Brown-headed Cowbird, 50** (studied at close range); House Finch, 142; Pine Siskin, 5; Am. Goldfinch, 3; Lesser Goldfinch, 92; Lawrence's Goldfinch, 1; Rufous-sided Towhee, 26; Brown Towhee, 119; Savannah Sparrow, 10; Lark Sparrow, 75; Sage Sparrow, 4; **Slate-colored Junco, 1;** Oregon Junco, 89; **Gray-headed Junco, 2** (carefully identified); Chipping Sparrow, 24; White-crowned Sparrow, 574; Golden-crowned Sparrow, 11; Song Spar-

row, 27. **Total,** 81 species; about 6136 individuals. (Seen in area count period, but not on count day: Marsh Hawk, Downy Woodpecker, **Vermilion Flycatcher, Phainopepla.**)—Ethel B. Crull, Mrs. May Hess, Winnifred Howard, Mary James, Flora Kiebert, Mary E. Mangaoang, Eleanor C. Persson, Steve Peterson, Eva M. Rhodes, Mildred Smith, Mrs. Harold Shryock, Mrs. Glenn Vaughn, Leora Walker, Ethel West (compiler), Merle Whitney, Ann Wissler, Vera Yount (San Bernardino Valley Audubon Society).

564. San Diego, Calif. (all points within a 15-mile diameter circle, center at 30th Street and Ocean View Blvd.; ocean and rocky shores 10%, tide flats 11%, salt-water bays 17%, salt marshes 13%, fresh-water reservoirs and ponds 11%, open brushland 10%, dry brushy and rocky canyons 9%, willow stands along streams 2%, oak groves 1%, city parks 10%, suburban areas and backyards 6%).—Dec. 21; 5 a.m. to 5 p.m. Clear, fog on ocean; temp. 48° to 68°; wind W, 0-10 m.p.h. Forty-four observers in 13 parties. Total party-hours, 117 (80 on foot, 29 by car, 8 by boat); total party-miles, 263 (57 on foot, 146 by car, 60 by boat). ► Common Loon, 1; Arctic Loon, 170; Red-throated Loon, 1; **Red-necked Grebe, 4**; Horned Grebe, 97; Eared Grebe, 595; Western Grebe, 1553; Pied-billed Grebe, 57; **Fulmar, 3** (3 competent observers); **Pink-footed Shearwater, 3** (carefully identified); **Sooty Shearwater, 14** (all field marks); White Pelican, 5; Brown Pelican, 406; Double-crested Cormorant, 594; Brandt's Cormorant, 210; Pelagic Cormorant, 4; Great Blue Heron, 85; Green Heron, 7; Common Egret, 164; Snowy Egret, 64; Black-crowned Night Heron, 51; Black Brant, 57; Mallard, 28; Gadwall, 2; Pintail, 696; Green-winged Teal, 84; Cinnamon Teal, 8; Am. Widgeon, 85; Shoveler, 114; Ring-necked Duck, 4; Canvasback, 8; Greater Scaup, 9; Lesser Scaup, 6293; Common Goldeneye, 17; Bufflehead, 160; White-winged Scoter, 13; Surf Scoter, 14,840; Common Scoter, 9; Ruddy Duck, 731; **Common Merganser,** 1; Red-breasted Merganser, 63; White-tailed Kite, 2; Sharp-shinned Hawk, 1; Cooper's Hawk, 7; Red-tailed Hawk, 22; Red-shouldered Hawk, 1; Golden Eagle, 6; Marsh Hawk, 5; **Peregrine Falcon, 2**; Sparrow Hawk, 60; California Quail, 129; Ring-necked Pheasant, 2; Clapper Rail, 4; Sora, 4; Common Gallinule, 5; Am. Coot, 775; Semipalmated Plover, 41; Snowy Plover, 19; Killdeer, 265; Black-bellied Plover, 229; Surfbird, 1; Ruddy Turnstone, **40**; Black Turnstone, 37; Common Snipe, 32; Long-billed Curlew, 9; Whimbrel, 20; Spotted Sandpiper, 8; Willet, 1040; Greater Yellowlegs, 13; Lesser Yellowlegs, 7; **Baird's Sandpiper, 2** (present all fall); Least Sandpiper, 136; Dunlin, 349; Long-billed Dowitcher, 192; Western Sandpiper, 4704; Marbled Godwit, 708; Sanderling, 628; Am. Avocet, 243; Black-necked Stilt, 44; **Northern Phalarope, 9**; **Pomarine Jaeger, 3**; **Parasitic Jaeger, 2** (both species carefully identified); Glaucous-winged Gull, 37; Western Gull, 854; Herring Gull, 522; California Gull, 395; Ring-billed Gull, 1602; Mew Gull, 6; Bonaparte's Gull, 702; Heermann's Gull, 107; Forster's Tern, 133; **Common Tern, 6** (3 parties); Royal Tern, 12; Caspian Tern, 60; **Common Murre, 140** (2 flocks—J. C.); **Xantus' Murrelet,** 4 (J. C.); **Cassin's Auklet,** 1 (close study—J. C.); Mourning Dove, 766; Spotted Dove, 6; Roadrunner, 6; Barn Owl, 4; Great Horned Owl, 2; Burrowing Owl, 2; **Short-eared Owl, 2**; Anna's Hummingbird, 144; Belted Kingfisher, 17; Red-shafted Flicker, 30; Yellow-bellied Sapsucker, 5; Nuttall's Woodpecker, 1; Western Kingbird, 2; Cassin's Kingbird, 13; Black Phoebe, 34; Say's Phoebe, 21; **empidonax flycatcher, 2**; Horned Lark, 12; Tree Swallow, 22; Scrub Jay, 42; Common Bushtit, 342; **Red-breasted Nuthatch,** 1; Wrentit, 39; House Wren, 1; Bewick's Wren, 13; Long-billed Marsh Wren, 11; Mockingbird, 310; **Brown Thrasher,** 1 (present since Sept.); California Thrasher, 27; Robin, 2; Hermit Thrush, 37; Western Bluebird, 12; Blue-gray Gnatcatcher, 6; Ruby-crowned Kinglet, 51; Water Pipit, 221; Cedar Waxwing, 8; Loggerhead Shrike, 39; Hutton's Vireo, 1; Orange-crowned Warbler, 6; Nashville Warbler, 1; Audubon's Warbler, 1955; Yellowthroat, 19; House Sparrow, 328; Western Meadowlark, 202; Redwinged Blackbird, 426; Tricolored Blackbird, **125**; **Hooded Oriole,** 1; Brewer's Blackbird, 803; Brown-headed Cowbird, 24; Purple Finch, 10; House Finch, 1404; Am. Goldfinch, 3; Lesser Goldfinch, 80; Rufous-sided Towhee, 16; Brown Towhee, 709; Savannah Sparrow, 147; **Grasshopper Sparrow,** 1 (carefully identified—J. B.); **Vesper Sparrow,** 1; Lark Sparrow, 44; Rufous-crowned Sparrow, 2; Sage Sparrow, 7; Oregon Junco, 22; Chipping Sparrow, 11; White-crowned Sparrow, 464; Golden-crowned Sparrow, 2; Fox Sparrow, 2; Lincoln's Sparrow, 1; Song Sparrow, 36. **Total,** 165 species; about 50,804 individuals. (Seen in area count period, but not on count day: Solitary Vireo—injured bird captured, Bullock's Oriole, Western Tanager, Summer Tanager.)—John Bishop (compiler), Marilyn Bishop, E. A. Block, S. E. Brode, Richard M. Brown, Mr. and Mrs. T. H. Brown, James E. Crouch, Leon L. Gardner, Maureen J. Heraty, Irene B. Hockberg, Art Morley, Jean Morley, Helen L. Morris, Tom Palmer, Harriet Popejoy, Boyd Robinson, Minta Robinson, Dave Rorick, Earl Sanders (San Diego Audubon Society).

565. San Fernando Valley, Calif. (all points within a 15-mile diameter circle, center at Nordhoff and Balboa Sts.; from Santa Monica Mts. to the Santa Susannas, from Chatsworth Reservoir to Hansen Dam; ponds and reservoirs 30%, chaparral hills 30%, oak woodland 20%, roadside and suburban 20%).—Dec. 27; 7:30 a.m. to 5 p.m. Cloudy, misty, light rain; temp. 49° to 68°; wind 5 m.p.h. Twenty-five observers in 5 parties. Total party-hours, 46 (26 on foot, 20 by car); total party-miles, 108 (28 on foot, 80 by car). ► Red-throated Loon, 1; Horned Grebe, 1; Pied-billed Grebe, 8; Double-crested Cormorant, 1; Great Blue Heron, 4; Green Heron, 1; Common Egret, 2; Snowy Egret, 1; Canada Goose, 301; Snow Goose, 1; Mallard, 172; Pintail, 50; Green-winged Teal, 21; Blue-winged Teal, 1; Am. Widgeon, 2; Shoveler, 12; Wood Duck, 1; Canvasback, 14; Lesser Scaup, 5; Bufflehead, 4; Ruddy Duck, 255; Red-breasted Merganser, 1; Sharp-shinned Hawk, 1; Cooper's Hawk, 3; Red-tailed Hawk, 4; Golde

Eagle, 2; Marsh Hawk, 2; Sparrow Hawk, 29; California Quail, 407; Ring-necked Pheasant, 5; Am. Coot, 325; Killdeer, 134; Common Snipe, 2; Spotted Sandpiper, 1; Least Sandpiper, 18; Long-billed Dowitcher, 10; Western Sandpiper, 4; Marbled Godwit, 2; Am. Avocet, 4; Glaucous-winged Gull, 1; Herring Gull, 12; California Gull, 72; Ring-billed Gull, 75; Mourning Dove, 417; Spotted Dove, 22; Roadrunner, 2; Great Horned Owl, 2; Short-eared Owl, 2; Anna's Hummingbird, 31; Belted Kingfisher, 1; Red-shafted Flicker, 34; Acorn Woodpecker, 15; Downy Woodpecker, 1; Nuttall's Woodpecker, 2; Black Phoebe, 13; Say's Phoebe, 14; Horned Lark, 58; Scrub Jay, 86; Common Raven, 2; Common Crow, 611; Mountain Chickadee, 3; Plain Titmouse, 9; Common Bushtit, 59; White-breasted Nuthatch, 1; Wrentit, 25; House Wren, 1; Bewick's Wren, 44; Long-billed Marsh Wren, 3; Cañon Wren, 1; Rock Wren, 2; Mockingbird, 52; California Thrasher, 42; Robin, 3; Varied Thrush, 1; Hermit Thrush, 62; Western Bluebird, 8; Blue-gray Gnatcatcher, 6; Ruby-crowned Kinglet, 94; Water Pipit, 400; Loggerhead Shrike, 41; Hutton's Vireo, 2; Audubon's Warbler, 483; Yellowthroat, 1; House Sparrow, 445; Western Meadowlark, 239; Redwinged Blackbird, 347; Brewer's Blackbird, 651; Brown-headed Cowbird, 30; House Finch, 1370; Pine Siskin, 4; Am. Goldfinch, 83; Lesser Goldfinch, 47; Rufous-sided Towhee, 29; Brown Towhee, 83; Savannah Sparrow, 100; Lark Sparrow, 71; Oregon Junco, 245; White-crowned Sparrow, 815; Golden-crowned Sparrow, 11; Fox Sparrow, 3; Song Sparrow, 55. **Total,** 101 species; about 9256 individuals.—Clara Anderson, Harry Anderson, Vivian Anderson, Billy Bedoin, Isabella M. Bright, Frances Brockmeier, Helen Cameron, Marguerite Halaas, Janet Hamber, Marjory Holm, Arthur Langton, Jr., Irene Langton, Robert Lofthouse, William Lofthouse, Mrs. B. Massey, Edward Peterson, Richard Starr, Frances Strobridge, Phillip Strobridge, Dorothy Thompson, Max Thompson, Monica Thursfield, Clara Weedmark (compiler), Mae Ellen Wilson, Mark Zuckert.

566. San Francisco, Calif. (all points within a 15-mile diameter circle, center San Francisco, including Marina, Lincoln Park, Twin Peaks, Land's End, Presidio, Golden Gate Park, Stern Grove, Treasure Island, Goat Island, San Francisco Bayshore, Pacific Ocean Beach, Seal Rocks, Lake Merced, Fleishhacker area, Marin shoreline, McLaren Park).—Dec. 21; 7:30 a.m. to 5 p.m. Cloudy, misty, low visibility, occasional rain; temp. 51° to 55°; wind SW, 5-10 m.p.h. Thirty-six observers in 14 parties. Total party-hours, 91 (53 on foot, 38 by car); total party-miles, 208 (64 on foot, 144 by car). ► Common Loon, 1; Arctic Loon, 4; Red-throated Loon, 11; Red-necked Grebe, 1; Horned Grebe, 13; Eared Grebe, 77; Western Grebe, 633; Pied-billed Grebe, 229; **Sooty Shearwater, 65;** White Pelican, 15; Brown Pelican, 3; Double-crested Cormorant, 304; Brandt's Cormorant, 100; Great Blue Heron, 1; Green Heron, 3; Common Egret, 3; Black-crowned Night Heron, 9; Am. Bittern, 2; White-fronted Goose, 1; Snow Goose, 2; Mallard, 1131; Green-winged Teal, 3; Am. Widgeon, 1250; Shoveler, 39; Ring-necked Duck, 11; Canvasback, 5; Greater Scaup, 15; Lesser Scaup, 4; Common Goldeneye, 2; Bufflehead, 6; White-winged Scoter, 25; Surf Scoter, 160; Common Scoter, 2; Ruddy Duck, 642; Red-breasted Merganser, 6; Sharp-shinned Hawk, 1; Cooper's Hawk, 1; Red-tailed Hawk, 4; Sparrow Hawk, 10; California Quail, 199; Virginia Rail, 5; Sora, 2; Am. Coot, 3395; Snowy Plover, 31; Killdeer, 391; Black-bellied Plover, 3; Surfbird, 4; Black Turnstone, 66; Common Snipe, 1; Spotted Sandpiper, 1; Willet, 14; Least Sandpiper, 15; Dunlin, 550; Long-billed Dowitcher, 3; Western Sandpiper, 74; Sanderling, 687; Am. Avocet, 1; Glaucous-winged Gull, 2992; Western Gull, 3810; Herring Gull, 306; California Gull, 11,565; Ring-billed Gull, 206; Mew Gull, 5122; Bonaparte's Gull, 69; Heermann's Gull, 20; gull (sp.), 1765; Common Murre, 1; Mourning Dove, 144; Burrowing Owl, 1; Anna's Hummingbird, 99; Belted Kingfisher, 8; Red-shafted Flicker, 98; Yellow-bellied Sapsucker, 1; Downy Woodpecker, 10; Black Phoebe, 38; Say's Phoebe, 2; Scrub Jay, 10; Common Raven, 1; Chestnut-backed Chickadee, 57; Common Bushtit, 42; Red-breasted Nuthatch, 8; Brown Creeper, 5; Wrentit, 8; Winter Wren, 18; Bewick's Wren, 5; Long-billed Marsh Wren, 2; Robin, 150; Varied Thrush, 80; Hermit Thrush, 66; Western Bluebird, 2; Golden-crowned Kinglet, 68; Ruby-crowned Kinglet, 78; Water Pipit, 245; Cedar Waxwing, 15; Loggerhead Shrike, 11; Starling, 6; Hutton's Vireo, 3; Orange-crowned Warbler, 1; Myrtle Warbler, 24; Audubon's Warbler, 614; Townsend's Warbler, 4; Yellowthroat, 29; **Wilson's Warbler,** 1; House Sparrow, 701; Western Meadowlark, 356; Redwinged Blackbird, 8; Tricolored Blackbird, 750; Bullock's Oriole, 1; Brewer's Blackbird, 1035; Purple Finch, 2; House Finch, 351; Pine Siskin, 67; Am. Goldfinch, 24; Lesser Goldfinch, 18; Rufous-sided Towhee, 45; Oregon Junco, 555; White-crowned Sparrow, 1295; Golden-crowned Sparrow, 167; White-throated Sparrow, 1; Fox Sparrow, 499; Lincoln's Sparrow, 1; Song Sparrow, 149. **Total,** 121 species; about 44,071 individuals.—L. Abbott, L. W. Bartow, A. Boles, S. Bozant, M. J. Browne, M. V. Brennan, H. L. Cogswell, B. Cutler, B. Fry, E. Hevel, L. Herbst, L. R. Leinbach, M. B. Leinbach, E. S. Lennon, S. Lewis, R. J. Long, J. Merryman, N. Mestechin, Arthur Myer (compiler), T. A. Oczkewecz, A. Oczkewecz, H. G. Peterson, A. Pierson, F. Plymell, C. Sather, J. Saunders, H. Scheal, P. Silva, J. Stallcup, L. L. Stallcup, P. Triggs, T. Troutman, E. Van Scyoc, M. Van Scyoc, P. A. Veitch, B. Wallace, F. Zografos, Jr.

567. San Jose, Calif. (all points within a 15-mile diameter circle, center at Capitol Ave. and Maybury Rd.; grassland and pasture 17%, deciduous orchard 17%, canyon stream 15%, salt-water marsh 13%, cultivated croplands 10, oak woodland 7%, formal parks 7%, town suburbs 6%, chaparral 3%, fresh-water marsh 2%, valley stream 2%, fresh-water lake 1%).—Dec. 21; 7:30 a.m. to 4:30 p.m. Low overcast, fog, rain; temp. 51° to 56°; wind SW, 0-5 m.p.h.; very warm and dry season, first rain in 6 weeks. Thirty-eight observers in 12 parties. Total party-hours, 84 (38 on foot, 46 by car); total party-

miles, 412 (33 on foot, 379 by car). ► Eared Grebe, **3540**; Pied-billed Grebe, 7; Double-crested Cormorant, 2; Great Blue Heron, 6; **Green Heron, 1**; Common Egret, 10; Snowy Egret, 5; **Am. Bittern, 1**; Canada Goose, 705; Snow Goose, 1; Mallard, 6; Pintail, 21; Green-winged Teal, 3; Cinnamon Teal, 1; Am. Widgeon, 129; Shoveler, 194; Wood Duck, 5; Ring-necked Duck, 22; Lesser Scaup, 10; Common Goldeneye, 5; Ruddy Duck, 192; duck (sp.), 12; White-tailed Kite, 7; Sharp-shinned Hawk, 2; Cooper's Hawk, 2; Red-tailed Hawk, 29; Red-shouldered Hawk, 1; Golden Eagle, 1; Sparrow Hawk, 85; California Quail, 228; Ring-necked Pheasant, 9; Am. Coot, 2493; Killdeer, 357; Black-bellied Plover, 100; Common Snipe, 6; Long-billed Curlew, 17; Spotted Sandpiper, 5; Willet, 68; Greater Yellowlegs, 13; Least Sandpiper, 139; Dunlin, 232; Short-billed Dowitcher, 197; Long-billed Dowitcher, 47; Western Sandpiper, 181; Am. Avocet, 149; sandpiper (sp.), 375; Glaucous-winged Gull, 20; Western Gull, 6; Herring Gull, 3000; California Gull, 197; Ring-billed Gull, 4355; Bonaparte's Gull, 72; gull (sp.), 13,204; Forster's Tern, 60; Mourning Dove, 115; Barn Owl, 1; Screech Owl, 2; Great Horned Owl, 1; Burrowing Owl, 13; Anna's Hummingbird, 15; Belted Kingfisher, 6; Red-shafted Flicker, 158; Acorn Woodpecker, 28; Yellow-bellied Sapsucker, 8; Hairy Woodpecker, 4; Downy Woodpecker, 12; Nuttall's Woodpecker, 11; Black Phoebe, 51; Say's Phoebe, 12; Horned Lark, 15; Steller's Jay, 37; Scrub Jay, 224; Yellow-billed Magpie, 172; Common Raven, 64; Chestnut-backed Chickadee, 78; Plain Titmouse, 71; Common Bushtit, 303; White-breasted Nuthatch, 18; Red-breasted Nuthatch, 8; Brown Creeper, 4; Wrentit, 16; Winter Wren, 4; Bewick's Wren, 20; Long-billed Marsh Wren, 3; Cañon Wren, 1; Mockingbird, 106; California Thrasher, 9; Robin, **194**; Varied Thrush, 81; Hermit Thrush, 73; Western Bluebird, 53; **Golden-crowned Kinglet, 39**; Ruby-crowned Kinglet, 156; Water Pipit, 577; Cedar Waxwing, 144; Loggerhead Shrike, 55; **Starling, 110**; Hutton's Vireo, 5; **Black-throated Gray Warbler, 1**; Audubon's Warbler, 1290; Townsend's Warbler, 2; House Sparrow, 1069; Western Meadowlark, 746; Redwinged Blackbird, 1029; Brewer's Blackbird, 6855; Purple Finch, 2; House Finch, 3685; Pine Siskin, 23; Am. Goldfinch, 149; Lesser Goldfinch, 1346; Lawrence's Goldfinch, 3; Rufous-sided Towhee, 45; Brown Towhee, 281; Savannah Sparrow, 392; **Grasshopper Sparrow, 1**; Lark Sparrow, 180; Rufous-crowned Sparrow, 7; Oregon Junco, 572; **Harris' Sparrow, 1**; White-crowned Sparrow, 4432; Golden-crowned Sparrow, 1781; **White-throated Sparrow, 1**; Fox Sparrow, 47; Lincoln's Sparrow, 20; Song Sparrow, 93. **Total,** 122 species; about 57,845 individuals. (Seen in area count period, but not on count day: Whistling Swan.)—Virginia Bothwell, Grace Brubaker, Karen Brubaker, Evelyn Case, Lloyd Case, Emily Connery, Neil Dickinson, Joe Dickinson, Florence Durfee, Alberta Edell, Dick Flower, Ernst Friedlander, Bob Fuller, Frank Goraj, Jane Goraj, Mervin Guintoli, Thomas Harvey, Elsie Hoeck, Wilbur Luick, Bill Mewaldt, L. Richard Mewaldt (compiler), Agnes Prusman, Clyde Prusman, Robert Row, Chuck Scarlott, Mary Shane, John Sinton, Les Sleeper, Emily Smith, Angelina Snow, Haven Stoner, Mr. and Mrs. Emmanuel Taylor, Henry G. Weston, Robert Wood, Al Wool, Charles Zwaal, Fanny Zwaal (Santa Clara Valley Audubon Society).

568. Tomales Bay, Calif. (all points within a 15-mile diameter circle, center ½ mile NW of Marshall, including Tomales Point, Dillon Beach, Chileno and Stemple Creek valleys, Tomales Bay State Park, Inverness Ridge, Schooner Bay, Abbotts Lagoon; ocean, beach, rocky shore 12%, mud flats 10%, bays 23%, salt marsh 3%, fresh-water ponds and marsh 9%, coniferous forest 18%, deciduous woodland 8%, brush 5%, open fields 12%).—Jan. 1; 4:30 a.m. to 4:30 p.m. Clear, except early morning fog; temp. 42° to 61°; wind NW, 15-30 m.p.h.; precipitation below normal previous 2 months. Thirty-nine observers in 11 parties. Total party-hours, 85 (62 on foot, 23 by car); total party-miles, 135 (56 on foot, 79 by car). ► Common Loon, 23; Arctic Loon, 225; Red-throated Loon, **947**; Red-necked Grebe, 1; Horned Grebe, 184; Eared Grebe, 74; Western Grebe, **1694**; Pied-billed Grebe, 33; **Sooty Shearwater, 6** (first count record); White Pelican, 330; Brown Pelican, 30; Double-crested Cormorant, 14; Brandt's Cormorant, 1332; Pelagic Cormorant, 5; Great Blue Heron, 31; Common Egret, 12; Snowy Egret, 13; Black-crowned Night Heron, 19; Canada Goose, 11; Black Brant, 15; Mallard, 260; Gadwall, 14; Pintail, 744; Green-winged Teal, **301**; Am. Widgeon, 67; Redhead, 30; Canvasback, 60; Greater Scaup, 25; Lesser Scaup, 16; Common Goldeneye, 124; Bufflehead, 295; Oldsquaw, 10; Harlequin Duck, 1; White-winged Scoter, 187; Surf Scoter, 2410; Common Scoter, 48; Ruddy Duck, 1025; Red-breasted Merganser, **476**; Turkey Vulture, 109; White-tailed Kite, 3; **Goshawk, 1** (E. H., C. H.); Sharp-shinned Hawk, 4; Cooper's Hawk, 5; Red-tailed Hawk, **193**; Red-shouldered Hawk, 1; Marsh Hawk, 19; **Prairie Falcon, 3**; Pigeon Hawk, 1; Sparrow Hawk, 169; California Quail, 232; Ring-necked Pheasant, 1; Am. Coot, 6325; Black Oystercatcher, 4; Semipalmated Plover, 19; Snowy Plover, 15; Killdeer, 84; Black-bellied Plover, 175; Surfbird, 14; Black Turnstone, 76; Common Snipe, 62; Long-billed Curlew, 3; Spotted Sandpiper, 1; **Wandering Tattler, 2**; Willet, 239; Least Sandpiper, 514; Dunlin, 2810; dowitcher (sp.), 80; Western Sandpiper, 1187; Marbled Godwit, 313; Sanderling, 304; Am. Avocet, 15; **Wilson's Phalarope, 1** (carefully identified—C. H.); Glaucous-winged Gull, 395; Western Gull, 619; Herring Gull, 37; California Gull, 245; Ring-billed Gull, 228; Mew Gull, 6; Bonaparte's Gull, 59; Heermann's Gull, 1; Common Murre, 1; **Marbled Murrelet, 50** (carefully identified with 40x scope); **Cassin's Auklet, 1** (C. H.); Band-tailed Pigeon, 10; Mourning Dove, 3; Barn Owl, 1; Great Horned Owl, 4; Burrowing Owl, 1; Short-eared Owl, **19**; Saw-whet Owl, 2; Anna's Hummingbird, 22; Belted Kingfisher, 22; **Yellow-shafted Flicker, 1**; Red-shafted Flicker, 254; Acorn Woodpecker, 4; Yellow-bellied Sapsucker, 1; Hairy Woodpecker, 19; Downy Woodpecker, 2; Black

Phoebe, 92; Say's Phoebe, 15; empidonax flycatcher (sp.), 1; Horned Lark, 87; Steller's Jay, 25; Scrub Jay, 134; Common Raven, 96; Common Crow, 275; Chestnut-backed Chickadee, 125; Plain Titmouse, 2; Common Bushtit, 234; White-breasted Nuthatch, 1; Red-breasted Nuthatch, 1; Pigmy Nuthatch, 78; Brown Creeper, 23; Wrentit, 182; Winter Wren, 48; Bewick's Wren, 53; Long-billed Marsh Wren, 10; Robin, 40; Varied Thrush, 26; Hermit Thrush, 67; Western Bluebird, 131; Golden-crowned Kinglet, 229; Ruby-crowned Kinglet, 270; Water Pipit, 121; Loggerhead Shrike, 28; Starling, 357; Hutton's Vireo, 11; Orange-crowned Warbler, 1; Myrtle Warbler, 38; Audubon's Warbler, 558; Townsend's Warbler, 6; House Sparrow, 244; Western Meadowlark, 1679; Redwinged Blackbird, 515; Brewer's Blackbird, 2394; Brown-headed Cowbird, 2; Purple Finch, 8; House Finch, 90; Pine Siskin, 185; Lesser Goldfinch, 4; Rufous-sided Towhee, 36; Brown Towhee, 55; Savannah Sparrow, 62; **Lark Sparrow, 2**; Rufous-crowned Sparrow, 2; **Slate-colored Junco, 3**; Oregon Junco, 120; White-crowned Sparrow, 2822; Golden-crowned Sparrow, 372; **White-throated Sparrow, 2**; Fox Sparrow, 166; Lincoln's Sparrow, 4; Song Sparrow, 220. **Total,** 153 species; about 38,435 individuals. (Seen in area count period, but not on count day: Am. Bittern, Spotted Owl.)—Ruth Canoles, Jean Craig, A. Laurence Curl, O. C. Durham, Alex Griesman, Ed Hase, Robert Hawson, Erline Hevel, Charles Hines, Vernon Howe, Elizabeth Lennon, Phyllis Lindley (compiler), Marie Mans, Natalie Mestechin, Kenneth Milliard, Grace Miller, Harold Peterson, Margaret Peterson, Aileen Pierson, John Ralph, Irving Schnayer, Muriel Schnayer, Simon Segal, Jean Segal, Ethel Shafer, Ted Sherburne, Richard Stallcup, E. W. Sweeney, Bruce Towle, Peter Veitch, Alice Williams, Claire Williams, Edwin Willis.

569. Topanga Canyon, Calif. (all points within a 15-mile diameter circle, center at Topanga Post Office, including Will Rogers Beach State Park, Tenescal Canyon Bird Sanctuary, part of Santa Monica Mountains, coastal beaches along Cabrillo Highway, Malibu Lagoon; approximately same area formerly covered; chaparral slopes 10%, mixed forest 30%, salt-water shore 50%, fresh-water lake 10%).—Dec. 30; 7 a.m. to 5 p.m. Clear; temp. 48° to 60°; wind NE, 15 m.p.h. One observer. Total hours, 10 (6 on foot, 4 by car); total miles, 52 (10 on foot, 42 by car). ► Horned Grebe, 2; Eared Grebe, 3; Pied-billed Grebe, 2; Snowy Egret, 1; Greater Scaup, 5; Surf Scoter, 1; Ruddy Duck, 5; Red-breasted Merganser, 2; Turkey Vulture, 1; Red-tailed Hawk, 1; Red-shouldered Hawk, 1; Sparrow Hawk, 1; California Quail, 16; Am. Coot, 27; Semipalmated Plover, 1; Snowy Plover, 8; Black-bellied Plover, 19; Black Turnstone, 2; Spotted Sandpiper, 1; Willet, 1000; Least Sandpiper, 12; Western Sandpiper, 1; Marbled Godwit, 9; Sanderling, 2; Western Gull, 10; California Gull, 10; Heermann's Gull, 23; Mourning Dove, 5; Anna's Hummingbird, 1; Acorn Woodpecker, 4; Downy Woodpecker, 1; Nuttall's Woodpecker, 1; Black Phoebe, 3; Say's Phoebe, 2; Scrub Jay, 6; Common Raven, 3; Common Crow, 2; Plain Titmouse, 1; Wrentit, 2; Mockingbird, 4; California Thrasher, 2; Hermit Thrush, 1; Mountain Bluebird, 2; Ruby-crowned Kinglet, 2; Loggerhead Shrike, 1; Audubon's Warbler, 30; House Sparrow, 2; Western Meadowlark, 3; Redwinged Blackbird, 14; Brewer's Blackbird, 10; House Finch, 17; Rufous-sided Towhee, 6; Brown Towhee, 9; Oregon Junco, 12; White-crowned Sparrow, 18; Fox Sparrow, 1; Song Sparrow, 2. **Total,** 57 species; about 1333 individuals. (Seen in area count period, but not on count day: Arctic Loon, Brown Pelican, Dunlin, Belted Kingfisher, Red-shafted Flicker, Bewick's Wren, Western Bluebird.)—Earle R. Greene.

570. Western Santa Cruz County, Calif. (all points within a 15-mile diameter circle, center at entrance to Henry Cowell State Park, State Highway 9; beaches and lagoons 30%, fresh-water marshes 20%, pine forest 20%, wooded and river area 20%, urban 10%).—Dec. 27; 7 a.m. to 4:45 p.m. High fog until 10 a.m., then clear; temp. 50° to 70°; no wind. Six observers in 2 parties. Total party-hours, 23 (22 on foot, 1 by car); total party-miles, 50 (20 on foot, 30 by car). ► Red-throated Loon, 3; Horned Grebe, 3; Eared Grebe, 7; Western Grebe, 15; Pied-billed Grebe, 1; **Fulmar, 30** (just off Santa Cruz Municipal wharf); Double-crested Cormorant, 1; Brandt's Cormorant, 7; Pelagic Cormorant, 3; Great Blue Heron, 2; Black-crowned Night Heron, 10; Mallard, 215; Pintail, 93; Green-winged Teal, 2; Am. Widgeon, 6; Shoveler, 100; **Wood Duck, 1** (carefully identified); Redhead, 19; Ring-necked Duck, 27; Canvasback, 10; Bufflehead, 12; Ruddy Duck, 15; Red-breasted Merganser, 2; Red-tailed Hawk, 1; Sparrow Hawk, 4; California Quail, 46; Am. Coot, 206; Snowy Plover, 6; Killdeer, 24; Black-bellied Plover, 3; Black Turnstone, 42; Common Snipe, 15; Whimbrel, 2; Spotted Sandpiper, 6; Willet, 43; Greater Yellowlegs, 3; Short-billed Dowitcher, 1; Marbled Godwit, 20; Sanderling, 200; Glaucous-winged Gull, 5; Western Gull, 110; Herring Gull, 5; California Gull, 22; Ring-billed Gull, 50; Bonaparte's Gull, 1; Heermann's Gull, 15; Mourning Dove, 8; Great Horned Owl, 1; Pygmy Owl, 1; Anna's Hummingbird, 73; Belted Kingfisher, 1; Red-shafted Flicker, 11; Acorn Woodpecker, 8; Yellow-bellied Sapsucker, 2; Hairy Woodpecker, 2; Black Phoebe, 8; Steller's Jay, 5; Scrub Jay, 10; Chestnut-backed Chickadee, 22; Plain Titmouse, 1; Common Bushtit, 4; White-breasted Nuthatch, 1; Pigmy Nuthatch, 46; Brown Creeper, 2; Wrentit, 14; Winter Wren, 4; Bewick's Wren, 4; Long-billed Marsh Wren, 3; Mockingbird, 8; California Thrasher, 2; Robin, 74; Varied Thrush, 16; Hermit Thrush, 6; Western Bluebird, 4; Golden-crowned Kinglet, 13; Ruby-crowned Kinglet, 34; Water Pipit, 18; Cedar Waxwing, 30; Hutton's Vireo, 3; Myrtle Warbler, 1; Audubon's Warbler, 45; Townsend's Warbler, 5; Yellowthroat, 1; House Sparrow, 21; Western Meadowlark, 4; Redwinged Blackbird, 77; Brewer's Blackbird, 65; Purple Finch, 10; House Finch, 216; Pine Siskin, 70; Lesser Goldfinch, 24; **Red Crossbill, 23** (carefully identified—E. P.); Rufous-sided Towhee, 3; Brown Towhee, 15; Oregon Junco, 71; White-crowned Sparrow, 15;

Golden-crowned Sparrow, 151; Fox Sparrow, 24; Song Sparrow, 12. **Total,** 99 species; about 2706 individuals.—Charles Anderson, Viola Anderson, Jessie Hooper (compiler), Leavitt McQuesten, Eleanor A. Pugh, Henry L. Washburn, Viola Washburn.

571. **Yosemite National Park, Calif.** (all points within a 15-mile diameter circle, primarily in canyon of Merced River, including Yosemite Valley and south rim east to Shippey Meadow; 2000-7000 ft.; lakeshore and swamp 1%, semi-open hillsides 22%, meadows 13%, riverbanks 30%, coniferous forests 34%). —Dec. 30; 6:30 a.m. to 4:30 p.m. Clear; temp. 24° to 65°; no wind; water frozen and patches of snow at higher elevations. Twenty observers in 4 parties. Total party-hours, 32 (24 on foot, 8 by car); total party-miles, 69 (16 on foot, 53 by car). ► Great Blue Heron, 1; Sharp-shinned Hawk, 1; Red-tailed Hawk, 2; Golden Eagle, 1; Sparrow Hawk, 5; Mountain Quail, 1; Band-tailed Pigeon, 352; Mourning Dove, 50; Pygmy Owl, 5; Anna's Hummingbird, 1; Belted Kingfisher, 6; Red-shafted Flicker, 25; Acorn Woodpecker, 29; Yellow-bellied Sapsucker, 3; Hairy Woodpecker, 2; Downy Woodpecker, 4; Nuttall's Woodpecker, 7; White-headed Woodpecker, 2; Black Phoebe, 6; Steller's Jay, 86; Scrub Jay, 28; Mountain Chickadee, 34; Plain Titmouse, 23; Common Bushtit, 92; White-breasted Nuthatch, 1; Red-breasted Nuthach, 4; Brown Creeper, 10; Wrentit, 5; Dipper, 19; House Wren, 1; Winter Wren, 6; Bewick's Wren, 3; Cañon Wren, 11; Rock Wren, 1; Robin, 157; Varied Thrush, 33; Hermit Thrush, 6; Western Bluebird, 35; Townsend's Solitaire, 11; Golden-crowned Kinglet, 180; Ruby-crowned Kinglet, 111; Cedar Waxwing, 20; Hutton's Vireo, 1; Audubon's Warbler, 6; House Sparrow, 12; Purple Finch, 8; Cassin's Finch, 6; House Finch, 4; Pine Siskin, 50; Lesser Goldfinch, 23; Rufous-sided Towhee, 59; Brown Towhee, 85; Lark Sparrow, 100; Rufous-crowned Sparrow, 1; Slate-colored Junco, 1; Oregon Junco, 187; White-crowned Sparrow, 7; Golden-crowned Sparrow, 98; Fox Sparrow, 11; Song Sparrow, 5. **Total,** 60 species; about 2044 individuals. (Seen in area count period, but not on count day: Saw-whet Owl.)—Mignon Augsbury, Katharine Coakley, Gerald Conley, Lydia Fatzinger, Erma Fitzpatrick, Michael Fitzpatrick, W. J. Fitzpatrick (compiler), Zelda Garey, Mrs. Edmond S. Gillette, Jr., Gail Glass, Jane Glass, Bob Grom, Douglass Hubbard, Vergena Koller, Bill Pruner, Ginny Ann Sturm, Mary Lou Sturm, John Townsley, Mary Curry Tresidder, Sig Zachwieja.

Corrigenda: Vol. 12, p. 247, col. 2, l. 8 from bottom:

"Ruffed Grouse, 21 (*Conn.,* Storrs)" should read

"Ruffed Grouse, 24 (*Ont.,* Brockville."

Vol. 12, p. 249, col. 1, l. 23:

"Blue Jay, 352 (*Va.,* Blacksburg)" should read

"Blue Jay, 473 (*Mass.,* Springfield)."

SUMMARY OF HIGHEST COUNTS OF INDIVIDUALS

by Burt L. Monroe, Jr.

A grand total of 488 species were recorded on the 1958 Christmas Bird Count.

Coot Bay, Florida, again leads the field of greatest number of highest counts with 37. The next in order are: Laguna Atascosa, Texas, 35; Sacramento, California, 16; Santa Ana, Texas, 15; Cocoa, Florida, and Central Orange County, California, 13. Statewise, California leads with 102 highest counts, Florida has 87, and Texas records 82.

In the 1958 count, 105 species were recorded in numbers equalling or exceeding the previous high counts for those species, as compared with 106 last year. These new high counts are indicated in the following list by bold-face numerals.

Six species are recorded for the first time this year. These species appear in bold-face type in the summary.

Common Loon, 260 (*Fla.*, Pensacola); Arctic Loon, 225 (*Calif.*, Tomales Bay); Red-throated Loon, **947** (*Calif.*, Tomales Bay); Red-necked Grebe, 41 (*B. C.*, Victoria); Horned Grebe, **2000** (*Va.*, Back Bay); Eared Grebe, 3540 (*Calif.*, San Jose); Least Grebe, 17 (*Tex.*, Laguna Atascosa); Western Grebe, 1694 (*Calif.*, Tomales Bay); Pied-billed Grebe, 256 (*Fla.*, Coot Bay); Fulmar, **201** (*Calif.*, Monterey); Pink-footed Shearwater, **100** (*Calif.*, Orange County, central); Sooty Shearwater, 65 (*Calif.*, San Francisco); Manx Shearwater, 9 (*Calif.*, Los Angeles); White Pelican, 2263 (*Tex.*, Houston); Brown Pelican, 863 (*Fla.*, Coot Bay); Brown Booby, 1 (*Ariz.*, Imperial); Gannet, 21 (*Fla.*, Cocoa); Great Cormorant, 244 (*R. I.*, South Kingston); Double-crested Cormorant, 1100 (*Ala.*, Dauphin Island); Olivaceous Cormorant, 70 (*La.*, Sabine); Brandt's Cormorant, 1332 (*Calif.*, Tomales Bay); Pelagic Cormorant, 288 (*B. C.*, Victoria); Anhinga, **159** (*Fla.*, Ft. Lauderdale); Magnificent Frigate-bird, 35 (*Fla.*, Lower Keys).

Great White Heron, **436** (*Fla.*, Coot Bay); Great Blue Heron, 235 (*Fla.*, Coot Bay); Green Heron, 119 (*Fla.*, Coot Bay); Little Blue Heron, 510 (*Fla.*, Coot Bay); Cattle Egret, **770** (*Fla.*, Ft. Lauderdale); Reddish Egret, 178 (*Tex.*, Laguna Atascosa); Common Egret, 2030 (*Fla.*, Coot Bay); Snowy Egret, 2795 (*Fla.*, Coot Bay); Louisiana Heron, 810 (*Fla.*, Coot Bay); Black-crowned Night Heron, 351 (*Fla.*, Jacksonville); Yellow-crowned Night Heron, 33 (*Fla.*, Coot Bay); Least Bittern, 8 (*Fla.*, Cocoa); American Bittern, 17 (*Fla.*, Ft. Lauderdale); Wood Ibis, **1400** (*Fla.*, Corkscrew); Glossy Ibis, 63 (*Fla.*, Ft. Lauderdale); White-faced Ibis, 358 (*La.*, Sabine); White Ibis, 1930 (*Fla.*, Coot Bay); Roseate Spoonbill, 103 (*Fla.*, Coot Bay); Am. Flamingo, 3 (*Fla.*, Coot Bay).

Mute Swan, **640** (*N. Y.*, Central Suffolk County); Whistling Swan, 8305 (*Utah*, Bear River); Trumpeter Swan, 5 (*Mont.*, Ennis); Canada Goose, 35,000 (*N. C.*, Mattamuskeet); Brant, 45,000 (*N. J.*, Cape May); Black Brant, 57 (*Calif.*, San Diego); White-fronted Goose, 15,557 (*Calif.*, Sacramento); Snow Goose, 12,000 (*Va.*, Back Bay); Blue Goose, 28,000 (*La.*, Sabine); Ross' Goose, 1 (*Tex.*, Laguna Atascosa; *Calif.*, Sacramento); Mallard, 260,000 (*S. Dak.*, Lake Andes); Black Duck, 25,000 (*N. J.*, Oceanville); Mottled Duck, 96 (*Tex.*, Laguna Atascosa); Gadwall, 966 (*S. C.*, Santee); Pintail, 271,605 (*Tex.*, Laguna Atascosa); Green-winged Teal, 26,600 (*Utah*, Bear River); Blue-winged Teal, 1820 (*Fla.*, Coot Bay); Cinnamon Teal, **505** (*Calif.*, Orange County, central); European Widgeon, 6 (*Conn.*, New London); American Widgeon, 26,000 (*Tex.*, Muleshoe); Shoveler, 4563 (*Calif.*, Orange County, central); Wood Duck, 110 (*S. C.*, Santee); Redhead, 9743 (*Tex.*, Laguna Atascosa); Ring-necked Duck, 25,000 (*Tenn.*, Reelfoot Lake); Canvasback, 7728 (*Md.*, Lower Kent County); Greater Scaup, 17,000 (*N. J.*, Barnegat); Lesser Scaup, 21,200 (*Fla.*, Ft. Myers); Common Goldeneye, 5006 (*Idaho*, Nampa); Barrow's Goldeneye, **899** (*B. C.*, Vancouver); Bufflehead, 1700 (*N. J.*, Cape May); Oldsquaw, 1953 (*N. Y.*, Montauk); Harlequin Duck, **107** (*B. C.*, Victoria); Common Eider, 932 (*Me.*, Mount Desert Island); King Eider, 7 (*N. Y.*, Montauk); White-winged Scoter, 4175 (*Mass.*, Nantucket); Surf Scoter, **21,267** (*Calif.*, Orange County, central); Common Scoter, 931 (*Va.*, Chincoteague); Ruddy Duck, 6484 (*Md.*, Annapolis); Hooded Merganser, 120 (*Tenn.*, Reelfoot Lake); Common Merganser, 2700 (*Kans.*, Kerwin); Red-breasted Merganser, 1105 (*Mass.*, Cape Cod).

Turkey Vulture, 827 (*Md.*, Ocean City); Black Vulture, **561** (*Ga.*, Sherwood); White-tailed Kite, 14 (*Calif.*, Orange County, central); Everglade Kite, **3** (*Fla.*, Clewiston); Goshawk, 2 (*Ohio*, Dayton); Sharp-shinned Hawk, 6 (*Fla.*, Cocoa); Cooper's Hawk, 17 (*Ore.*, Portland); Red-tailed Hawk, **193** (*Calif.*, Tomales Bay); Harlan's Hawk, **8** (*Kans.*, Baldwin); Red-shouldered Hawk, 61 (*Fla.*, Coot Bay); Broad-winged Hawk, 8 (*Fla.*, Coot Bay); Swainson's Hawk, 7 (*Ariz.*, Phoenix); White-tailed Hawk, 7 (*Tex.*, Laguna Atascosa); Short-tailed Hawk, 5 (*Fla.*, Coot Bay); Rough-legged Hawk, 37 (*Ore.*,

Malheur); Ferruginous Hawk, 3 (*N. Mex.*, Roswell); Gray Hawk, 1 (*Tex.*, Santa Ana); Harris' Hawk, 75 (*Tex.*, Laguna Atascosa); Golden Eagle, 16 (*Utah*, Bear River); Bald Eagle, **114** (*Iowa*, Davenport); Marsh Hawk, 117 (*Kans.*, Quivira); Osprey, 87 (*Fla.*, Coot Bay); Caracara, 16 (*Tex.*, Laguna Atascosa); Prairie Falcon, 17 (*Kans.*, Hays); Peregrine Falcon, 8 (*Fla.*, Coot Bay); Pigeon Hawk, 7 (*B. C.*, Vancouver); Sparrow Hawk, 357 (*Calif.*, Sacramento).

Chachalaca, **54** (*Tex.*, Santa Ana); Blue Grouse, 1 (*Colo.*, Jefferson County); Ruffed Grouse, 39 (*Conn.* Litchfield Hills); White-tailed Ptarmigan, 2 (*Colo.*, Idaho Springs); Greater Prairie Chicken, 119 (*Okla.*, Ft. Gibson); Sharp-tailed Grouse, 158 (*N. Dak.*, Des Lacs); Bobwhite, **655** (*Tex.*, Laguna Atascosa); Scaled Quail, 425 (*N. Mex.*, Clayton); California Quail, 735 (*Calif.*, Orange County, northeastern); Gambel's Quail, 163 (*Tex.*, El Paso); **Mountain Quail, 2** (*Colo.*, Grand Junction); Ring-necked Pheasant, 936 (*Iowa*, Union Slough); Chukar, 28 (*Calif.*, China Lake); Gray Partridge, 347 (*N. Dak.*, Des Lacs); Turkey, 51 (*Okla.*, Salt Plains); Whooping Crane, **27** (*Tex.*, Aransas); Sandhill Crane, 36,000 (*Tex.*, Muleshoe); Limpkin, 18 (*Fla.*, Corkscrew); King Rail, 22 (*Fla.*, Cocoa); Clapper Rail, 60 (*La.*, Sabine); Virginia Rail, 20 (*La.*, New Orleans); Sora, 84 (*Fla.*, Cocoa); Black Rail, 1 (*Fla.*, Cocoa; *Tex.*, Houston); Purple Gallinule, 2 (*Fla.*, West Palm Beach); Common Gallinule, 83 (*Fla.*, St. Petersburg); Am. Coot, 50,459 (*Tex.*, Laguna Atascosa).

Am. Oystercatcher, 80 (*S. C.*, Charleston); Black Oystercatcher, 17 (*B. C.*, Victoria); Semipalmated Plover, 504 (*Fla.*, Key West); Piping Plover, 75 (*Ala.*, Dauphin Island); Snowy Plover, 111 (*Calif.*, Orange County, central); Wilson's Plover, 66 (*Fla.*, Coot Bay); Killdeer, 1206 (*Calif.*, Sacramento); Mountain Plover, 25 (*Calif.*, Orange County, central); Black-bellied Plover, 867 (*Calif.*, Oakland); Surfbird, **116** (*Calif.*, Los Angeles); Ruddy Turnstone, 248 (*Fla.*, Bradenton); Black Turnstone, 152 (*Calif.*, Monterey); Am. Woodcock, 6 (*N. J.*, Cape May); Common Snipe, 406 (*Calif.*, Orange County, central); Long-billed Curlew, 619 (*Tex.*, Laguna Atascosa); Whimbrel, 61 (*Calif.*, Orange County, central); Spotted Sandpiper, 44 (*Fla.*, Coot Bay); Solitary Sandpiper, **12** (*Tex.*, Aransas); Wandering Tattler, 4 (*Calif.*, Monterey); Willet, 3400 (*Fla.*, Coot Bay); Greater Yellowlegs, 264 (*Tex.*, Laguna Atascosa); Lesser Yellowlegs, 286 (*Tex.*, Laguna Atascosa); Knot, **517** (*Fla.*, St. Petersburg); Purple Sandpiper, **301** (*Me.*, Deer Isle); **Rock Sandpiper, 35** (*B. C.*, Victoria); Pectoral Sandpiper, 3 (*Fla.*, Titusville); Baird's Sandpiper, 2 (*Calif.*, San Diego); Least Sandpiper, 2872 (*Calif.*, Orange County, central); Dunlin, **12,350** (*B. C.*, Ladner); Short-billed Dowitcher, 197 (*Calif.*, San Jose); Long-billed Dowitcher, 573 (*Calif.*, Orange County, central); [dowitcher, 1300 (*Fla.*, Coot Bay)]; Stilt Sandpiper, 9 (*Tex.*, Laguna Atascosa); Semipalmated Sandpiper, 2000 (*Tex.*, Houston); Western Sandpiper, 11,725 (*Calif.*, Oakland); Marbled Godwit, 1346 (*Calif.*, Oakland); Sanderling, 1192 (*Md.*, Ocean City); Am. Avocet, 2354 (*Calif.*, Oakland); Black-necked Stilt, 44 (*Calif.*, San Diego); Red Phalarope, 1 (*Fla.*, Atlantic Ocean off Cocoa Beach); Wilson's Phalarope, 1 (*Calif.*, Tomales Bay); Northern Phalarope, 9 (*Calif.*, San Diego); Pomarine Jaeger, 4 (*Fla.*, Atlantic Ocean off Cocoa Beach); Parasitic Jaeger, 4 (*Fla.*, Atlantic Ocean off Cocoa Beach).

Glaucous Gull, 5 (*Minn.*, Duluth); Iceland Gull, 7 (*Nova Scotia*, Halifax); Glaucous-winged Gull, **27,547** (*B. C.*, Vancouver); Great Black-backed Gull, 697 (*N. Y.*, Southern Nassau County); Western Gull, 3810 (*Calif.*, San Francisco); Herring Gull, 27,396 (*Mass.*, Quincy); California Gull, 11,565 (*Calif.*, San Francisco); Ring-billed Gull, **16,382** (*Calif.*, Orange County, central); Mew Gull, **9539** (*B. C.*, Vancouver); Black-headed Gull, **18** (*Nova Scotia*, Cole Harbour); Laughing Gull, 1942 (*Tex.*, Houston); Franklin's Gull, 20 (*Tex.*, Denton); Bonaparte's Gull, 1760 (*N. Y.*, Montauk); Little Gull, 1 (*Fla.*, Pensacola); Heermann's Gull, **2366** (*Calif.*, Los Angeles); Black-legged Kittiwake, **2312** (*Newfoundland*, Atlantic Ocean ESE of St. John's); Gull-billed Tern, 100 (*Tex.*, Aransas); Forster's Tern, 500 (*Ga.*, Sapelo Island); Common Tern, 10 (*La.*, Sabine Refuge); Least Tern, 3 (*Fla.*, Jacksonville); Royal Tern, 452 (*Fla.*, Atlantic Ocean off Cocoa Beach); Sandwich Tern, 68 (*Fla.*, St. Petersburg); Caspian Tern, 212 (*Ala.*, Dauphin Island); Black Skimmer, 2716 (*Fla.*, Coot Bay); Razorbill, 9 (*N. Y.*, Montauk); Common Murre, **221** (*Calif.*, Monterey); Thick-billed Murre, **15** (*Newfoundland*, Atlantic Ocean ESE of St. John's); Dovekie, 42 (*Newfoundland*, Atlantic Ocean ESE of St. John's); Black Guillemot, 7 (*Me.*, Pemaquid); Pigeon Guillemot, 41 (*B. C.*, Vancouver); Marbled Murrelet, 77 (*B. C.*, Vancouver); **Xantus' Murrelet, 4** (*Calif.*, San Diego); Ancient Murrelet, 6 (*Calif.*, Monterey); Cassin's Auklet, 1 (*Calif.*, San Diego & Tomales Bay); Rhinoceros Auklet, 150 (*Calif.*, Monterey).

White-crowned Pigeon, 17 (*Fla.*, Coot Bay); Band-tailed Pigeon, 352 (*Calif.*, Yosemite); Red-billed Pigeon, 2 (*Tex.*, Santa Ana); White-winged Dove, 4 (*Fla.*, Coot Bay); Mourning Dove, **19,077** (*Ariz.*, Phoenix); Spotted Dove, 139 (*Calif.*, San Bernardino); Ringed Turtle Dove, 56 (*Calif.*, Los Angeles); Ground Dove, 240 (*Tex.*, Laguna Atascosa); Inca Dove, **335** (*Ariz.*, Phoenix); White-fronted Dove, **39** (*Tex.*, Santa Ana); Roadrunner, **35** (*Ariz.*, Phoenix); Smooth-billed Ani, 8 (*Fla.*, Clewiston); Groove-billed Ani, **72** (*Tex.*, Laguna Atascosa); Barn Owl, 14 (*Calif.*, Sacramento); Screech Owl, 43 (*Pa.*, Glenolden); Great Horned Owl, 35 (*Calif.*, Oakland); Snowy Owl, 3 (*Ont.*, Blenheim); Hawk-Owl, **2** (*Que.*, Arvida); Pygmy Owl, 5 (*Mont.*, Libby; *Calif.*, Monterey & Yosemite); Burrowing Owl, 23

(*Calif.*, Sacramento); Barred Owl, **39** (*La.*, Reserve); Great Gray Owl, 1 (*Conn.*, New London; *Ore.*, Fort Klamath); Long-eared Owl, 28 (*Ont.*, Hamilton; *Iowa*, Iowa City); Short-eared Owl, 41 (*Okla.*, Ft. Gibson); Saw-whet Owl, 3 (*Ont.*, Toronto; *Iowa*, Iowa City).

Chuck-will's-widow, 1 (*Fla.*, Key West & West Palm Beach; *Ala.*, Dauphin Island); Whip-poor-will, 3 (*Fla.*, Coot Bay); Pauraque, 16 (*Tex.*, Laguna Atascosa); White-throated Swift, 168 (*Calif.*, Pasadena); Ruby-throated Hummingbird, **19** (*Fla.*, Coot Bay); Black-chinned Hummingbird, 3 (*Calif.*, Los Angeles); Costa's Hummingbird, 5 (*Ariz.*, Sierra Pinta); Anna's Hummingbird, **326** (*Calif.*, Los Angeles); Rufous Hummingbird, 2 (*La.*, New Orleans); **Calliope Hummingbird,** 1 (*Calif.*, Pasadena & Redlands); Belted Kingfisher, 140 (*Fla.*, Cocoa); Green Kingfisher, 4 (*Tex.*, Del Rio).

Yellow-shafted Flicker, **249** (*Ohio*, Cincinnati); Red-shafted Flicker, 707 (*Calif.*, Sacramento); Gilded Flicker, 23 (*Ariz.*, Santa Catalina Mts.); Pileated Woodpecker, **35** (*Tenn.*, Great Smoky Mts.); Red-bellied Woodpecker, **353** (*Mo.*, Weldon Springs); Golden-fronted Woodpecker, 90 (*Tex.*, Santa Ana); Gila Woodpecker, 73 (*Ariz.*, Santa Catalina Mts.); Red-headed Woodpecker, 124 (*Ohio*, Cincinnati); Acorn Woodpecker, 435 (*Calif.*, Orange County, northeastern); Lewis' Woodpecker, 27 (*N. Mex.*, Espanola); Yellow-bellied Sapsucker, 50 (*Ohio*, Cincinnati); Williamson's Sapsucker, 1 (*Calif.*, Death Valley); Hairy Woodpecker, 91 (*Conn.*, Greenwich); Downy Woodpecker, **469** (*Ohio*, Cincinnati); Ladder-backed Woodpecker, 103 (*Tex.*, Santa Ana); Nuttall's Woodpecker, 52 (*Calif.*, Sacramento); Arizona Woodpecker, 1 (*Ariz.*, Santa Catalina Mts.); Red-cockaded Woodpecker, 12 (*S. C.*, Charleston); White-headed Woodpecker, 2 (*Calif.*, Big Bear Lake, Redlands & Yosemite); Black-backed Three-toed Woodpecker, 3 (*Me.*, Castine); Northern Three-toed Woodpecker, 3 (*Colo.*, Idaho Springs).

Eastern Kingbird, 1 (*Va.*, Back Bay); Gray Kingbird, 1 (*Fla.*, Daytona Beach); Tropical Kingbird, **77** (*Tex.*, Laguna Atascosa); Cassin's Kingbird, **26** (*Calif.*, Escondido); Western Kingbird, **12** (*Fla.*, Ft. Lauderdale); Scissor-tailed Flycatcher, 8 (*Fla.*, Key West); Kiskadee Flycatcher, 42 (*Tex.*, Laguna Atascosa); Great Crested Flycatcher, 26 (*Fla.*, Coot Bay); Ash-throated Flycatcher, 7 (*Ariz.*, Sierra Pinta); Eastern Phoebe, 53 (*Tex.*, Houston); Black Phoebe, 92 (*Calif.*, Tomales Bay); Say's Phoebe, 38 (*Calif.*, Orange County, northeastern); Empidonax flycatcher, 2 (*Calif.*, San Diego); Vermilion Flycatcher, 30 (*Tex.*, Del Rio); Beardless Flycatcher, 2 (*Tex.*, Santa Ana); **Skylark, 85** (*B. C.*, Victoria); Horned Lark, 1400 (*Tex.*, Denton); Violet-green Swallow, 15 (*Calif.*, Pasadena); Tree Swallow, **50,000** (*Fla.*, Cocoa); Rough-winged Swallow, **250** (*Fla.*, Clewiston); Barn Swallow, 3 (*Fla.*, Coot Bay).

Gray Jay, **26** (*Colo.*, Idaho Springs); Blue Jay, **940** (*Mass.*, Northampton); Steller's Jay, 172 (*Colo.*, Colorado Springs); Scrub Jay, 475 (*Calif.*, Sacramento); Mexican Jay, 16 (*Ariz.*, Santa Catalina Mts.); Green Jay, **157** (*Tex.*, Santa Ana); Black-billed Magpie, 702 (*Colo.*, Colorado Springs); Yellow-billed Magpie, 1899 (*Calif.*, Sacramento); Common Raven, **183** (*N. Mex.*, Santa Fe); White-necked Raven, 275 (*Tex.*, Carrizo Springs); Common Crow, 100,000 (*Ohio*, Youngstown); Northwestern Crow, 1159 (*B. C.*, Victoria); Fish Crow, 4000 (*Fla.*, Cocoa); Piñon Jay, 545 (*N. Mex.*, Santa Fe); Clark's Nutcracker, 11 (*Colo.*, Idaho Springs).

Black-capped Chickadee, 1042 (*Conn.*, Westport); Carolina Chickadee, **1212** (*Ohio*, Cincinnati); Mountain Chickadee, 128 (*Colo.*, Jefferson County); Boreal Chickadee, **95** (*N. H.*, Errol); Chestnut-backed Chickadee, 260 (*Calif.*, Oakland); Tufted Titmouse, 713 (*Ohio*, Cincinnati); Black-crested Titmouse, **131** (*Tex.*, San Antonio); Plain Titmouse, 166 (*Calif.*, Orange County, northeastern); Bridled Titmouse, 7 (*Ariz.*, Santa Catalina Mts.); Verdin, **122** (*Ariz.*, Phoenix); Common Bushtit, 654 (*Calif.*, Oakland); **Black-eared Bushtit,** 1 (*Tex.*, Davis Mts.); White-breasted Nuthatch, 232 (*Conn.*, Greenwich); Red-breasted Nuthatch, 106 (*Wash.*, Spokane); Brown-headed Nuthatch, **335** (*Md.*, Southern Dorchester County); Pigmy Nuthatch, 273 (*Wash.*, Spokane); Brown Creeper, 72 (*Ont.*, Hamilton).

Wrentit, **534** (*Calif.*, Los Angeles); Dipper, 26 (*Colo.*, Loveland); House Wren, 72 (*Tex.*, Laguna Atascosa); Winter Wren, 52 (*B. C.*, Vancouver); Bewick's Wren, 73 (*Tex.*, Laguna Atascosa); Carolina Wren, **369** (*Ohio*, Cincinnati); Cactus Wren, 72 (*Tex.*, Laguna Atascosa); Long-billed Marsh Wren, 32 (*Fla.*, Cocoa); Short-billed Marsh Wren, 70 (*La.*, Sabine); Cañon Wren, 20 (*Calif.*, Pasadena); Rock Wren, **37** (*Tex.*, Davis Mts.); Mockingbird, 1742 (*Tex.*, Laguna Atascosa); Catbird, 59 (*Va.*, Back Bay); Brown Thrasher, 116 (*Tex.*, Tyler); Long-billed Thrasher, **57** (*Tex.*, Laguna Atascosa); Bendire's Thrasher, 15 (*Ariz.*, Phoenix); Curve-billed Thrasher, **191** (*Tex.*, Laguna Atascosa); California Thrasher, 80 (*Calif.*, Los Angeles); Le Conte's Thrasher, **2** (*Ariz.*, Sierra Pinta); Crissal Thrasher, 6 (*Tex.*, El Paso); Sage Thrasher, 21 (*N. Mex.*, Carlsbad Caverns Nat. Park).

Robin, 51,116 (*Oreg.*, Portland); Varied Thrush, 356 (*Ore.*, Eugene); Wood Thrush, 1 (*S. C.*, Charleston); Hermit Thrush, 100 (*Calif.*, Oakland); Swainson's Thrush, 3 (*N. Mex.*, Santa Fe); Eastern Bluebird, 248 (*Okla.*, Ft. Gibson); Western Bluebird, 248 (*Ore.*, Medford); Mountain Bluebird, **1396** (*N. Mex.*, Espanola); Townsend's Solitaire, **321** (*N. Mex.*, Espanola); Blue-gray Gnatcatcher, 326 (*Tex.*, Houston); Black-tailed Gnatcatcher, 5 (*Ariz.*, Imperial); Golden-crowned Kinglet, 356 (*Ore.*, Eugene); Ruby-crowned Kinglet, 365 (*Calif.*, Sacramento); Water Pipit, 4628 (*Calif.*, Sacramento); Sprague's Pipit, 15 (*Tex.*, San Antonio); Bohemian Waxwing, **7500**

(*Wash.*, Spokane); Cedar Waxwing, 865 (*Calif.*, Los Angeles); Phainopepla, 42 (*Ariz.*, Santa Catalina Mts.); Northern Shrike, 8 (*Wash.*, Spokane); Loggerhead Shrike, 275 (*Tex.*, Houston); Starling, 1,650,000 (*Ky.*, Louisville); Crested Myna, **152** (*B. C.*, Vancouver).

White-eyed Vireo, 24 (*Tex.*, Laguna Atascosa); Hutton's Vireo, 17 (*Calif.*, Monterey); Gray Vireo, **2** (*Ariz.*, Sierra Pinta); Yellow-throated Vireo, 3 (*Fla.*, Coot Bay); Solitary Vireo, 6 (*La.*, St. Francisville); Black-and-white Warbler, 29 (*Fla.*, Coot Bay); Orange-crowned Warbler, 56 (*Tex.*, Laguna Atascosa); Nashville Warbler, 11 (*Tex.*, Santa Ana); Parula Warbler, 12 (*Fla.*, Coot Bay); Yellow Warbler, 1 (*Fla.*, Ft. Lauderdale); Back-throated Blue Warbler, 1 (*Fla.*, Bradenton & Cocoa); Myrtle Warbler, 6400 (*N. J.*, Cape May); Audubon's Warbler, **5719** (*Calif.*, Orange County, northeastern); Black-throated Gray Warbler, 4 (*Ariz.*, Santa Catalina Mts.); Townsend's Warbler, 16 (*Calif.*, Monterey); Black-throated Green Warbler, 3 (*Tex.*, Santa Ana); Blackburnian Warbler, **1** (*Tex.*, Santa Ana); Yellow-throated Warbler, 22 (*Fla.*, Cocoa); Pine Warbler, 98 (*La.*, Shreveport); Prairie Warbler, 42 (*Fla.*, Coot Bay); Palm Warbler, 442 (*Fla.*, Cocoa); Ovenbird, 3 (*Fla.*, Ft. Pierce); Northern Waterthrush, 4 (*Fla.*, Coot Bay); Yellowthroat, 282 (*Fla.*, Coot Bay); Yellow-breasted Chat, 1 (*Mass.*, Cape Cod; *R. I.*, Newport County; *Va.*, Norfolk County; *La.*, Sabine; *Calif.*, Pasadena); Wilson's Warbler, 2 (*Tex.*, Santa Ana); Am. Redstart, 3 (*Fla.*, Coot Bay).

House Sparrow, 20,200 (*N. Mex.*, Roswell); European Tree Sparrow, 12 (*Mo.*, Portage Des Sioux); Eastern Meadowlark, 1765 (*Del.*, Bombay Hook); Western Meadowlark, 4760 (*Calif.*, Sacramento); Yellow-headed Blackbird, 28,687 (*Ariz.*, Phoenix); Redwinged Blackbird, 6,000,000 (*Va.*, Norfolk County); Tricolored Blackbird, 2150 (*Calif.*, Contra Costa County); Orchard Oriole, 1 (*Tex.*, Santa Ana); Black-headed Oriole, 4 (*Tex.*, Santa Ana); Hooded Oriole, **8** (*Calif.*, Orange County, central); Lichtenstein's Oriole, **6** (*Tex.*, Santa Ana); Scott's Oriole, **1** (*La.*, Sabine); Baltimore Oriole, 3 (*N. C.*, Chapel Hill); Bullock's Oriole, 2 (*Calif.*, Monterey); Rusty Backbird, 45,300 (*Ga.*, Rome); Brewer's Blackbird, **233,899** (*Ariz.*, Phoenix); Boat-tailed Grackle, 8877 (*Tex.*, Laguna Atascosa); Common Grackle, **6,000,000** (*Va.*, Norfolk County); Brown-headed Cowbird, 200,000 (*Tenn.*, Memphis); Bronzed Cowbird, 10 (*Tex.*, Laguna Atascosa).

Cardinal, **1589** (*Ohio*, Cincinnati); Pyrrhuloxia, **225** (*Tex.*, Alice); Black-headed Grosbeak, 2 (*Calif.*, Oakland); Indigo Bunting, **9** (*Fla.*, Ft. Lauderdale); Lazuli Bunting, 1 (*Ariz.*, Tucson); Painted Bunting, 49 (*Fla.*, Ft. Lauderdale); Dickcissel, 4 (*Tex.*, Laguna Atascosa); Evening Grosbeak, **965** (*Mass.*, Northampton); Purple Finch, 780 (*Wis.*, Mazomanie); Cassin's Finch, 150 (*Ore.*, Baker); House Finch, 4702 (*Calif.*, Orange County, northeastern); White-collared Seedeater, 3 (*Tex.*, Laguna Atascosa); Pine Grosbeak, 259 (*Que.*, Quebec); Gray-crowned Rosy Finch, 325 (*Wyo.*, Casper); Black Rosy Finch, 2 (*Colo.*, Jefferson County); Brown-capped Rosy Finch, 25 (*Colo.*, Jefferson County); Hoary Redpoll, 5 (*Alaska*, Cohoe); Common Redpoll, 600 (*Mont.*, Libby); Pine Siskin, 3147 (*Wash.*, Seattle); Am. Goldfinch, 1465 (*Wis.*, Mazomanie); Lesser Goldfinch, **1946** (*Calif.*, Contra Costa County); Lawrence's Goldfinch, 23 (*Calif.*, Redlands); Red Crossbill, 396 (*Wash.*, Spokane); White-winged Crossbill, 165 (*N. H.*, Pittsburg).

Olive Sparrow, 45 (*Tex.*, Laguna Atascosa); Green-tailed Towhee, 3 (*N. Mex.*, Carlsbad Caverns Nat. Park); Rufous-sided Towhee, 320 (*Md.*, Ocean City); Brown Towhee, 910 (*Calif.*, Los Angeles); Abert's Towhee, **92** (*Ariz.*, Phoenix); Lark Bunting, 2488 (*Ariz.*, Phoenix); Ipswich Sparrow, 14 (*N. J.*, Barnegat); Savannah Sparrow, 4053 (*Calif.*, Sacramento); Grasshopper Sparrow, 8 (*Fla.*, West Palm Beach); Baird's Sparrow, **52** (*Tex.*, El Paso); Le Conte's Sparrow, 11 (*Ark.*, Lonoke); Henslow's Sparrow, 3 (*N. C.*, Wilmington); Sharp-tailed Sparrow, 121 (*Va.*, Chincoteague); Seaside Sparrow, 117 (*La.*, Sabine); Dusky Seaside Sparrow, 5 (*Fla.*, Titusville); Vesper Sparrow, 138 (*N. C.*, Wilmington); Lark Sparrow, 763 (*Calif.*, Orange County, northeastern); Rufous-crowned Sparrow, 19 (*Calif.*, Eastern Santa Cruz County); Bachman's Sparrow, 3 (Fla., Pensacola); Botteri's Sparrow, **1** (*Tex.*, Laguna Atascosa); Cassin's Sparrow, 1 (*Tex.*, Amarillo & Laguna Atascosa); Black-throated Sparrow, 91 (*Tex.*, Alice); Sage Sparrow, 74 (*Ariz.*, Sierra Pinta); White-winged Junco, 126 (*Colo.*, Black Forest); Slate-colored Junco, 2116 (*N. J.*, Southwestern Gloucester County); Oregon Junco, 1805 (*Calif.*, Sacramento); Gray-headed Junco, **963** (*N. Mex.*, Espanola); Mexican Junco, 4 (*Ariz.*, Santa Catalina Mts.); Tree Sparrow, 2927 (*Wis.*, Waukesha); Chipping Sparrow, 250 (*Ga.*, Atlanta); Clay-colored Sparrow, 30 (*Nebr.*, Kearney); Brewer's Sparrow, **6587** (*Ariz.*, Phoenix); Field Sparrow, 619 (*Tex.*, Tyler); Black-chinned Sparrow, 1 (*Tex.*, El Paso); Harris' Sparrow, **858** (*Kans.*, Halstead); White-crowned Sparrow, **20,999** (*Ariz.*, Phoenix); Golden-crowned Sparrow, **2185** (*Calif.*, Sacramento); White-throated Sparrow, 2138 (*La.*, St. Francisville); Fox Sparrow, 499 (*Calif.*, San Francisco); Lincoln's Sparrow, 149 (*Tex.*, Alice); Swamp Sparrow, 899 (*Va.*, Back Bay); Song Sparrow, 1969 (*Pa.*, Glenolden); McCown's Longspur, 20 (*Tex.*, Denton); Lapland Longspur, 300 (*N. Dak.*, Arrowwood); Smith's Longspur, 70 (*Tex.*, Tyler); Chestnut-collared Longspur, 21 (*Okla.*, Wichita Mts.); Snow Bunting, 2000 (*N. Dak.*, Arrowwood).

CHRISTMAS BIRD COUNT RULES

READ CAREFULLY!

REPORTS NOT ADHERING TO RULES WILL BE REJECTED

1. **Report forms supplied by Audubon Field Notes must be used.** Any other presentation will be returned. If a compiler has not received a form one month before count week, he should request one.

2. **These forms will be used by the printer.** You are submitting a manuscript so do a neat and careful job. After each species positively identified indicate the number of individuals recorded. Do not include birds found dead. Then, using a **red** pencil, draw a heavy line through each species not recorded. **Type, or print clearly,** indicating distinctly letters to be capitalized—this is especially important in the introductory, descriptive material. Condense introductory material as much as clarity permits and **place information in the correct space allotted in the form.**

3. **A count area must fill (preferably) or fit within a 15-mile diameter circle.** Compilers should recheck areas as the editor must reject any exceeding the prescribed limits.

4. Counts must be made during the period as announced each year in **Audubon Field Notes** and must cover only one calendar day. Reports not reaching the National Audubon Society, 1130 Fifth Avenue, New York 28, New York, by January 15th cannot be accepted.

5. Dawn to dusk or longer counts are preferred and **those of less than 8 hours duration (except in Arctic areas or on pelagic counts) will not be printed.**

6. Birds whose occurrence is of special interest should be underscored with a wavy line to indicate boldface type. Should abundance be the noteworthy item underscore only the number recorded. If birds unusual for your area around Christmas are reported, **a sheet must accompany the report giving satisfactory details of such observations.**

7. The ruled lines at the end of the form are to be used **only** for:

   1. Species not seen on count day but during official count period (list species **in correct checklist order.** Do not list dates or numbers).
   2. All participants **who have paid their $.50 fee listed alphabetically.** Do **not** place addresses here—a separate sheet listing all participants and addresses is required for Audubon House files.

8. Do not initiate a new count in an area near one already established (established counts have priority). Preferably help a nearby group make a more thorough count. Compilers of established counts should check neighboring ones to make sure there is no duplication of territory covered. **The editor must reject counts where overlapping occurs.**

9. Before starting a report, it is suggested that the compiler **place the preceding issue of the Christmas Bird Count before him and use it as a guide.** Before mailing the form, recheck to make sure everything is correct and no items omitted. Please **double-check** your addition of (1) number of species seen; (2) number of individual birds seen; (3) number of persons participating in the count.

10. Because of skyrocketing costs, **Audubon Field Notes** finds it necessary to ask every observer to pay an entry fee of **$.50** (fifty cents) for each count in which he participates. It is the compiler's responsibility to send in with his report $.50 (fifty cents) for each participant whose name is listed at the end of the count.

PLEASE GIVE DEFINITE CENTER FOR YOUR COUNT AREA

Christmas Bird Count Dates

Wednesday, December 23, 1959—Sunday, January 3, 1960
(deadline for copy—January 15)

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